

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030821\
 Data File : VX021052.D
 Acq On : 08 Mar 2021 12:09
 Operator : JC/MD
 Sample : VX0308WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0308WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/9/2021 3:04:10 PM

Quant Time: Mar 09 01:03:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 24 13:50:55 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.635	168	223847	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.835	114	377491	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	335419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	162914	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	136485	45.14	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	90.28%		
35) Dibromofluoromethane	5.464	113	111858	48.77	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.54%		
50) Toluene-d8	8.700	98	437081	48.88	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.76%		
62) 4-Bromofluorobenzene	11.118	95	161230	48.76	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	97.52%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.187	85	39649	16.38	ug/l	100
3) Chloromethane	1.311	50	47973	17.84	ug/l	98
4) Vinyl Chloride	1.393	62	54347	17.55	ug/l	100
5) Bromomethane	1.628	94	32034	28.31	ug/l	99
6) Chloroethane	1.711	64	34922	18.03	ug/l	96
7) Trichlorofluoromethane	1.917	101	70136	17.94	ug/l	98
8) Diethyl Ether	2.170	74	32205	17.76	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.370	101	42236	17.54	ug/l	98
10) Methyl Iodide	2.493	142	52626	16.27	ug/l	96
11) Tert butyl alcohol	3.011	59	47733	70.89	ug/l	98
12) 1,1-Dichloroethene	2.358	96	42734	17.06	ug/l	97
13) Acrolein	2.276	56	38744	92.93	ug/l	100
14) Allyl chloride	2.711	41	68190	16.66	ug/l	99
15) Acrylonitrile	3.117	53	120767	84.06	ug/l	98
16) Acetone	2.417	43	101606	81.55	ug/l	97
17) Carbon Disulfide	2.552	76	115716	16.21	ug/l	99
18) Methyl Acetate	2.746	43	50163	17.02	ug/l	99
19) Methyl tert-butyl Ether	3.164	73	152654	17.06	ug/l	98
20) Methylene Chloride	2.840	84	51454	17.22	ug/l	98
21) trans-1,2-Dichloroethene	3.146	96	48350	17.18	ug/l	99
22) Diisopropyl ether	3.823	45	141861	17.23	ug/l	97
23) Vinyl Acetate	3.787	43	583911	82.95	ug/l	100
24) 1,1-Dichloroethane	3.676	63	86542	17.85	ug/l	100
25) 2-Butanone	4.635	43	153318	81.01	ug/l	99
26) 2,2-Dichloropropane	4.552	77	72047	16.36	ug/l	100
27) cis-1,2-Dichloroethene	4.564	96	56379	17.39	ug/l	99
28) Bromochloromethane	4.982	49	37322	17.99	ug/l	99
29) Tetrahydrofuran	5.088	42	97101	79.93	ug/l	97
30) Chloroform	5.176	83	86877	17.78	ug/l	99
31) Cyclohexane	5.552	56	75428	17.23	ug/l	97
32) 1,1,1-Trichloroethane	5.464	97	73577	17.29	ug/l	98
36) 1,1-Dichloropropene	5.770	75	65619	18.29	ug/l	100
37) Ethyl Acetate	4.793	43	59818	17.52	ug/l	99
38) Carbon Tetrachloride	5.758	117	62443	17.96	ug/l	99
39) Methylcyclohexane	7.441	83	81620	18.14	ug/l	98
40) Benzene	6.117	78	199306	18.53	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	5.005	41	34271	17.85	ug/l	99
42) 1,2-Dichloroethane	6.164	62	69066	19.32	ug/l	99
43) Isopropyl Acetate	6.411	43	99693	17.17	ug/l	100
44) Trichloroethene	7.188	130	55762	19.72	ug/l	97
45) 1,2-Dichloropropane	7.488	63	51562	19.13	ug/l	96
46) Dibromomethane	7.635	93	33683	18.56	ug/l	99
47) Bromodichloromethane	7.876	83	70680	18.70	ug/l	99
48) Methyl methacrylate	7.747	41	51482	17.67	ug/l	98
49) 1,4-Dioxane	7.712	88	22866	336.32	ug/l	97
51) 4-Methyl-2-Pentanone	8.618	43	303135	89.66	ug/l	100
52) Toluene	8.765	92	131048	19.57	ug/l	97
53) t-1,3-Dichloropropene	9.023	75	76038	17.94	ug/l	98
54) cis-1,3-Dichloropropene	8.412	75	86336	18.59	ug/l	98
55) 1,1,2-Trichloroethane	9.194	97	52052	19.67	ug/l	97
56) Ethyl methacrylate	9.159	69	75771	17.69	ug/l	99
57) 1,3-Dichloropropane	9.353	76	87441	19.26	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.288	63	192547	91.91	ug/l	99
59) 2-Hexanone	9.471	43	227203	89.57	ug/l	99
60) Dibromochloromethane	9.565	129	54919	19.66	ug/l	99
61) 1,2-Dibromoethane	9.653	107	53046	19.12	ug/l	97
64) Tetrachloroethene	9.318	164	54381	22.46	ug/l	95
65) Chlorobenzene	10.124	112	138918	19.67	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.206	131	48074	18.45	ug/l	96
67) Ethyl Benzene	10.235	91	244102	19.06	ug/l	100
68) m/p-Xylenes	10.341	106	184668	39.18	ug/l	97
69) o-Xylene	10.682	106	90201	19.61	ug/l	96
70) Styrene	10.694	104	153152	19.41	ug/l	98
71) Bromoform	10.841	173	39328	19.54	ug/l #	99
73) Isopropylbenzene	11.000	105	232751	18.09	ug/l	99
74) N-amyl acetate	10.883	43	84408	16.20	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.253	83	73426	17.70	ug/l	99
76) 1,2,3-Trichloropropane	11.277	75	63780m	18.20	ug/l	
77) Bromobenzene	11.241	156	56929	19.01	ug/l	97
78) n-propylbenzene	11.341	91	267896	18.26	ug/l	100
79) 2-Chlorotoluene	11.406	91	159845	17.98	ug/l	100
80) 1,3,5-Trimethylbenzene	11.489	105	197884	18.48	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.059	75	24574	15.52	ug/l	97
82) 4-Chlorotoluene	11.494	91	183839	17.94	ug/l	98
83) tert-Butylbenzene	11.753	119	187638	18.01	ug/l	97
84) 1,2,4-Trimethylbenzene	11.789	105	199428	18.35	ug/l	100
85) sec-Butylbenzene	11.930	105	226579	18.46	ug/l	99
86) p-Isopropyltoluene	12.047	119	204915	18.21	ug/l	99
87) 1,3-Dichlorobenzene	12.006	146	102298	19.09	ug/l	98
88) 1,4-Dichlorobenzene	12.083	146	104402	19.12	ug/l	99
89) n-Butylbenzene	12.371	91	173127	17.24	ug/l	99
90) Hexachloroethane	12.577	117	34743	16.18	ug/l	97
91) 1,2-Dichlorobenzene	12.377	146	102318	19.56	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.983	75	15348	16.16	ug/l	94
93) 1,2,4-Trichlorobenzene	13.624	180	60319	17.97	ug/l	99
94) Hexachlorobutadiene	13.765	225	22012	16.38	ug/l	92
95) Naphthalene	13.818	128	201302	16.85	ug/l	99
96) 1,2,3-Trichlorobenzene	14.001	180	57334	17.20	ug/l	95

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

MMDadoda
3/9/2021 3:04:10 PM

Abundance

TIC: VX021052.D\data.ms

Time-->

1050000

1000000

950000

900000

850000

800000

750000

700000

650000

600000

550000

500000

450000

400000

350000

300000

250000

200000

150000

100000

50000

0

0.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00

1,1,1-Trichloroethane, T

1,1,2-Dichloroethane, T

1,2-Dichloroethane, T

1,2,3-Trichloroethane, T

1,2,4-Trichloroethane, T

1,2,5-Trichloroethane, T

1,3-Dichloroethane, T

1,4-Dichloroethane, T

1,4,5-Tetrafluorobenzene, T

1,4,6-Pentachlorobenzene, T

1,4,7-Hexachlorobenzene, T

1,4,8-Heptachlorobenzene, T

1,4,9-Octachlorobenzene, T

1,4,10-Nonachlorobenzene, T

1,4,11-Decachlorobenzene, T

1,4,12-Dodecachlorobenzene, T

1,4,13-Tridecachlorobenzene, T

1,4,14-Tetradecachlorobenzene, T

1,4,15-Pentadecachlorobenzene, T

1,4,16-Hexadecachlorobenzene, T

1,4,17-Heptadecachlorobenzene, T

1,4,18-Octadecachlorobenzene, T

1,4,19-Nonadecachlorobenzene, T

1,4,20-Eicetachlorobenzene, T

1,4,21-Hentachlorobenzene, T

1,4,22-Trichlorobenzene, T

1,4,23-Tetrachlorobenzene, T

1,4,24-Pentachlorobenzene, T

1,4,25-Hexachlorobenzene, T

1,4,26-Heptachlorobenzene, T

1,4,27-Octachlorobenzene, T

1,4,28-Nonachlorobenzene, T

1,4,29-Decachlorobenzene, T

1,4,30-Undecachlorobenzene, T

1,4,31-Dodecachlorobenzene, T

1,4,32-Tridecachlorobenzene, T

1,4,33-Tetradecachlorobenzene, T

1,4,34-Pentadecachlorobenzene, T

1,4,35-Hexadecachlorobenzene, T

1,4,36-Heptadecachlorobenzene, T

1,4,37-Octachlorobenzene, T

1,4,38-Nonachlorobenzene, T

1,4,39-Decachlorobenzene, T

1,4,40-Undecachlorobenzene, T

1,4,41-Dodecachlorobenzene, T

1,4,42-Tridecachlorobenzene, T

1,4,43-Tetradecachlorobenzene, T

1,4,44-Pentadecachlorobenzene, T

1,4,45-Hexadecachlorobenzene, T

1,4,46-Heptadecachlorobenzene, T

1,4,47-Octachlorobenzene, T

1,4,48-Nonachlorobenzene, T

1,4,49-Decachlorobenzene, T

1,4,50-Undecachlorobenzene, T

1,4,51-Dodecachlorobenzene, T

1,4,52-Tridecachlorobenzene, T

1,4,53-Tetradecachlorobenzene, T

1,4,54-Pentadecachlorobenzene, T

1,4,55-Hexadecachlorobenzene, T

1,4,56-Heptadecachlorobenzene, T

1,4,57-Octachlorobenzene, T

1,4,58-Nonachlorobenzene, T

1,4,59-Decachlorobenzene, T

1,4,60-Undecachlorobenzene, T

1,4,61-Dodecachlorobenzene, T

1,4,62-Tridecachlorobenzene, T

1,4,63-Tetradecachlorobenzene, T

1,4,64-Pentadecachlorobenzene, T

1,4,65-Hexadecachlorobenzene, T

1,4,66-Heptadecachlorobenzene, T

1,4,67-Octachlorobenzene, T

1,4,68-Nonachlorobenzene, T

1,4,69-Decachlorobenzene, T

1,4,70-Undecachlorobenzene, T

1,4,71-Dodecachlorobenzene, T

1,4,72-Tridecachlorobenzene, T

1,4,73-Tetradecachlorobenzene, T

1,4,74-Pentadecachlorobenzene, T

1,4,75-Hexadecachlorobenzene, T

1,4,76-Heptadecachlorobenzene, T

1,4,77-Octachlorobenzene, T

1,4,78-Nonachlorobenzene, T

1,4,79-Decachlorobenzene, T

1,4,80-Undecachlorobenzene, T

1,4,81-Dodecachlorobenzene, T

1,4,82-Tridecachlorobenzene, T

1,4,83-Tetradecachlorobenzene, T

1,4,84-Pentadecachlorobenzene, T

1,4,85-Hexadecachlorobenzene, T

1,4,86-Heptadecachlorobenzene, T

1,4,87-Octachlorobenzene, T

1,4,88-Nonachlorobenzene, T

1,4,89-Decachlorobenzene, T

1,4,90-Undecachlorobenzene, T

1,4,91-Dodecachlorobenzene, T

1,4,92-Tridecachlorobenzene, T

1,4,93-Tetradecachlorobenzene, T

1,4,94-Pentadecachlorobenzene, T

1,4,95-Hexadecachlorobenzene, T

1,4,96-Heptadecachlorobenzene, T

1,4,97-Octachlorobenzene, T

1,4,98-Nonachlorobenzene, T

1,4,99-Decachlorobenzene, T

1,50-Undecachlorobenzene, T

1,51-Dodecachlorobenzene, T

1,52-Tridecachlorobenzene, T

1,53-Tetradecachlorobenzene, T

1,54-Pentadecachlorobenzene, T

1,55-Hexadecachlorobenzene, T

1,56-Heptadecachlorobenzene, T

1,57-Octachlorobenzene, T

1,58-Nonachlorobenzene, T

1,59-Decachlorobenzene, T

1,60-Undecachlorobenzene, T

1,61-Dodecachlorobenzene, T

1,62-Tridecachlorobenzene, T

1,63-Tetradecachlorobenzene, T

1,64-Pentadecachlorobenzene, T

1,65-Hexadecachlorobenzene, T

1,66-Heptadecachlorobenzene, T

1,67-Octachlorobenzene, T

1,68-Nonachlorobenzene, T

1,69-Decachlorobenzene, T

1,70-Undecachlorobenzene, T

1,71-Dodecachlorobenzene, T

1,72-Tridecachlorobenzene, T

1,73-Tetradecachlorobenzene, T

1,74-Pentadecachlorobenzene, T

1,75-Hexadecachlorobenzene, T

1,76-Heptadecachlorobenzene, T

1,77-Octachlorobenzene, T

1,78-Nonachlorobenzene, T

1,79-Decachlorobenzene, T

1,80-Undecachlorobenzene, T

1,81-Dodecachlorobenzene, T

1,82-Tridecachlorobenzene, T

1,83-Tetradecachlorobenzene, T

1,84-Pentadecachlorobenzene, T

1,85-Hexadecachlorobenzene, T

1,86-Heptadecachlorobenzene, T

1,87-Octachlorobenzene, T

1,88-Nonachlorobenzene, T

1,89-Decachlorobenzene, T

1,90-Undecachlorobenzene, T

1,91-Dodecachlorobenzene, T

1,92-Tridecachlorobenzene, T

1,93-Tetradecachlorobenzene, T

1,94-Pentadecachlorobenzene, T

1,95-Hexadecachlorobenzene, T

1,96-Heptadecachlorobenzene, T

1,97-Octachlorobenzene, T

1,98-Nonachlorobenzene, T

1,99-Decachlorobenzene, T

2,00-Undecachlorobenzene, T

2,01-Dodecachlorobenzene, T

2,02-Tridecachlorobenzene, T

2,03-Tetradecachlorobenzene, T

2,04-Pentadecachlorobenzene, T

2,05-Hexadecachlorobenzene, T

2,06-Heptadecachlorobenzene, T

2,07-Octachlorobenzene, T

2,08-Nonachlorobenzene, T

2,09-Decachlorobenzene, T

2,10-Undecachlorobenzene, T

2,11-Dodecachlorobenzene, T

2,12-Tridecachlorobenzene, T

2,13-Tetradecachlorobenzene, T

2,14-Pentadecachlorobenzene, T

2,15-Hexadecachlorobenzene, T

2,16-Heptadecachlorobenzene, T

2,17-Octachlorobenzene, T

2,18-Nonachlorobenzene, T

2,19-Decachlorobenzene, T

2,20-Undecachlorobenzene, T

2,21-Dodecachlorobenzene, T

2,22-Tridecachlorobenzene, T

2,23-Tetradecachlorobenzene, T

2,24-Pentadecachlorobenzene, T

2,25-Hexadecachlorobenzene, T

2,26-Heptadecachlorobenzene, T

2,27-Octachlorobenzene, T

2,28-Nonachlorobenzene, T

2,29-Decachlorobenzene, T

2,30-Undecachlorobenzene, T

2,31-Dodecachlorob