

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101121\
 Data File : VX024721.D
 Acq On : 11 Oct 2021 18:48
 Operator : JC/MD
 Sample : VX1011WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/12/2021 11:28:43 AM

Quant Time: Oct 12 06:52:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 18:24:34 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	132316	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	203276	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	190296	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97493	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	91947	49.306	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.620%
35) Dibromofluoromethane	5.391	113	68599	50.799	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.600%
50) Toluene-d8	8.653	98	247250	49.746	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.500%
62) 4-Bromofluorobenzene	11.085	95	94455	48.334	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.660%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	30559	22.952	ug/l	97
3) Chloromethane	1.294	50	24017	19.137	ug/l	99
4) Vinyl Chloride	1.374	62	26147	19.917	ug/l	97
5) Bromomethane	1.599	94	18685	21.147	ug/l	95
6) Chloroethane	1.685	64	16417	18.937	ug/l	89
7) Trichlorofluoromethane	1.886	101	44422	19.175	ug/l	92
8) Diethyl Ether	2.136	74	14116	17.901	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.331	101	24492	18.748	ug/l	94
10) Methyl Iodide	2.453	142	28626	15.661	ug/l	92
11) Tert butyl alcohol	2.977	59	34848	71.519	ug/l	98
12) 1,1-Dichloroethene	2.319	96	23174	19.106	ug/l	95
13) Acrolein	2.239	56	11677	121.175	ug/l	96
14) Allyl chloride	2.666	41	40888	18.439	ug/l	88
15) Acrylonitrile	3.068	53	75902	89.593	ug/l	99
16) Acetone	2.386	43	87349	105.139	ug/l	89
17) Carbon Disulfide	2.514	76	55631	17.939	ug/l	98
18) Methyl Acetate	2.709	43	52597	18.836	ug/l	92
19) Methyl tert-butyl Ether	3.123	73	83439	18.254	ug/l	99
20) Methylene Chloride	2.794	84	32291	22.513	ug/l	90
21) trans-1,2-Dichloroethene	3.093	96	25802	18.733	ug/l	97
22) Diisopropyl ether	3.770	45	82329	18.172	ug/l	93
23) Vinyl Acetate	3.733	43	339109	92.431	ug/l	96
24) 1,1-Dichloroethane	3.611	63	46736	18.579	ug/l	97
25) 2-Butanone	4.568	43	128938	100.397	ug/l	95
26) 2,2-Dichloropropane	4.483	77	39484	17.449	ug/l	97
27) cis-1,2-Dichloroethene	4.495	96	30285	18.813	ug/l	98
28) Bromochloromethane	4.903	49	21173	18.541	ug/l	98
29) Tetrahydrofuran	5.013	42	70094	85.655	ug/l	93
30) Chloroform	5.105	83	51685	18.604	ug/l	98
31) Cyclohexane	5.477	56	40617	18.189	ug/l	91
32) 1,1,1-Trichloroethane	5.391	97	46211	18.736	ug/l	98
36) 1,1-Dichloropropene	5.696	75	36894	18.932	ug/l	98
37) Ethyl Acetate	4.721	43	42816	17.598	ug/l	96
38) Carbon Tetrachloride	5.684	117	40669	19.172	ug/l	96
39) Methylcyclohexane	7.385	83	42756	18.738	ug/l	98
40) Benzene	6.044	78	108160	19.410	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	22022	17.527	ug/l	92
42) 1,2-Dichloroethane	6.098	62	45085	19.266	ug/l	94
43) Isopropyl Acetate	6.348	43	68438	18.503	ug/l	93
44) Trichloroethene	7.135	130	29796	19.434	ug/l	98
45) 1,2-Dichloropropane	7.434	63	28402	19.756	ug/l	98
46) Dibromomethane	7.586	93	20475	18.993	ug/l	96
47) Bromodichloromethane	7.830	83	38151	19.310	ug/l	100
48) Methyl methacrylate	7.696	41	36468	19.911	ug/l	87
49) 1,4-Dioxane	7.665	88	14692	350.222	ug/l #	95
51) 4-Methyl-2-Pentanone	8.580	43	252435	103.377	ug/l	91
52) Toluene	8.720	92	70487	19.582	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	40447	18.062	ug/l	98
54) cis-1,3-Dichloropropene	8.372	75	43324	19.027	ug/l #	89
55) 1,1,2-Trichloroethane	9.159	97	28752	19.318	ug/l	98
56) Ethyl methacrylate	9.122	69	38209	16.129	ug/l #	80
57) 1,3-Dichloropropane	9.311	76	47146	18.774	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	134334	114.881	ug/l	98
59) 2-Hexanone	9.433	43	198894	103.427	ug/l	86
60) Dibromochloromethane	9.525	129	28581	17.709	ug/l	99
61) 1,2-Dibromoethane	9.616	107	31351	19.187	ug/l	99
64) Tetrachloroethene	9.275	164	28215	21.423	ug/l	93
65) Chlorobenzene	10.085	112	76007	19.173	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	29015	19.638	ug/l	99
67) Ethyl Benzene	10.195	91	134169	19.119	ug/l	100
68) m/p-Xylenes	10.305	106	102844	38.218	ug/l	98
69) o-Xylene	10.646	106	49131	18.463	ug/l	99
70) Styrene	10.659	104	79915	17.960	ug/l	97
71) Bromoform	10.805	173	20185	17.269	ug/l #	99
73) Isopropylbenzene	10.963	105	134768	19.553	ug/l	100
74) N-amyl acetate	10.848	43	56456	17.808	ug/l	90
75) 1,1,2,2-Tetrachloroethane	11.213	83	45649	18.728	ug/l	98
76) 1,2,3-Trichloropropane	11.244	75	42406m	19.154	ug/l	
77) Bromobenzene	11.201	156	34057	19.203	ug/l	95
78) n-propylbenzene	11.305	91	150372	18.663	ug/l	99
79) 2-Chlorotoluene	11.366	91	92808	18.909	ug/l	98
80) 1,3,5-Trimethylbenzene	11.457	105	116828	19.842	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.024	75	12338	16.700	ug/l #	80
82) 4-Chlorotoluene	11.457	91	109648	18.988	ug/l	100
83) tert-Butylbenzene	11.719	119	110088	18.650	ug/l	95
84) 1,2,4-Trimethylbenzene	11.756	105	117864	20.133	ug/l	97
85) sec-Butylbenzene	11.896	105	128697	17.722	ug/l	99
86) p-Isopropyltoluene	12.012	119	119197	19.248	ug/l	97
87) 1,3-Dichlorobenzene	11.975	146	60244	17.837	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	61625	17.663	ug/l	97
89) n-Butylbenzene	12.335	91	101384	18.490	ug/l	98
90) Hexachloroethane	12.542	117	17907	17.585	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	61352	18.374	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	10312	17.522	ug/l	88
93) 1,2,4-Trichlorobenzene	13.591	180	38364	18.046	ug/l	98
94) Hexachlorobutadiene	13.725	225	18047	18.558	ug/l	99
95) Naphthalene	13.780	128	126656	18.614	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	39612	18.184	ug/l	99

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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
10/12/2021 11:28:43 AM

Abundance

TIC: VX024721.D\data.ms

Time-->

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

Dichlorodifluoromethane, T

Chloroethane, T

Bromomethane, T

Trichlorofluoromethane, T

Acrolein, T

Methyl acetate, T

Methyl propyl ketone, T

Methyl isobutyl ketone, T

Methyl ethyl ketone, T

Methyl acetate, T

Tert butyl alcohol, T

1,1-Dichloroethane, P

Disopropyl ether, T

Vinyl Acetate, T

Ethyl acetate, T

2-Ethanol, T

Bromochloromethane, T

Chloroform, C

Cyclohexane, T

Dibromodichloromethane, S

Pentachlorobenzene, I

Carbon tetrachloride, T

1,2-Dichloroethane, T

1,2-Dichloroethane-d4, S

Isopropyl Acetate, T

1,4-Difluorobenzene, I

Trichloroethene, TM

1,2-Dichloropropane, T

1,4-Dioxane, T

Bromochloroethane, T

Bromodichloromethane, T

cis-1,3-Dichloropropene, T

2-Chloroethyl Vinyl ether, T

Toluene, C

2-Hexanone, T

2-Hexanone, T

Chlorobenzene-d5, I

m/p-Xylenes, T

4-Bromofluorobenzene, S

1,1,1,2-Tetrachloroethane, T

1,1,1,2-Tetrachloroethane, T

Styrene, To-Xylene, T

N-ethyl acetate, T

trans-1,4-Dichloro-2-butene, T

1,2,3-Trichloropropane, T

2-Chlorotoluene, T

1,2,4-Trimethylbenzene, T

tert-Butylbenzene, T

1,4-Dichlorobenzene, T

1,2,4-Trichlorobenzene, T

Hexachloroethane, T

1,2-Dibromo-3-Chloropropane, T

1,2,4-Trichlorobenzene, T

Hexachlorocyclopentadiene, Naphthalene, T

1,2,3-Trichlorobenzene, T

1,4-Dichlorobenzene, T

1,4-Dichlorobenzene-d4, I

1,2,4-Trichlorobenzene, T