

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040121\
 Data File : VX021703.D
 Acq On : 01 Apr 2021 13:30
 Operator : JC/MD
 Sample : VX0401WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0401WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/2/2021 12:55:27 PM

Quant Time: Apr 02 03:26:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 24 12:25:26 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.629	168	69977	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.823	114	112997	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	108115	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	52760	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.023	65	56993	48.95	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.90%
35) Dibromofluoromethane	5.458	113	40331	50.25	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.50%
50) Toluene-d8	8.694	98	141210	49.37	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.74%
62) 4-Bromofluorobenzene	11.118	95	55953	50.32	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.64%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.187	85	13104	17.04	ug/l	98
3) Chloromethane	1.311	50	15165	17.18	ug/l	98
4) Vinyl Chloride	1.393	62	13574	17.25	ug/l	99
5) Bromomethane	1.622	94	6888	21.75	ug/l	98
6) Chloroethane	1.705	64	8907	17.85	ug/l	97
7) Trichlorofluoromethane	1.911	101	23180	18.12	ug/l	98
8) Diethyl Ether	2.169	74	8372	18.86	ug/l	72
9) 1,1,2-Trichlorotrifluo...	2.364	101	13776	19.13	ug/l	97
10) Methyl Iodide	2.487	142	11956	25.08	ug/l #	89
11) Tert butyl alcohol	3.017	59	16524	85.85	ug/l	96
12) 1,1-Dichloroethene	2.352	96	11734	16.64	ug/l	87
13) Acrolein	2.269	56	8722	92.59	ug/l	96
14) Allyl chloride	2.705	41	24556	17.16	ug/l #	88
15) Acrylonitrile	3.117	53	42123	92.08	ug/l	97
16) Acetone	2.417	43	39476	89.67	ug/l #	86
17) Carbon Disulfide	2.546	76	28031	14.16	ug/l	96
18) Methyl Acetate	2.746	43	26320	20.69	ug/l	90
19) Methyl tert-butyl Ether	3.164	73	48512	18.42	ug/l	97
20) Methylene Chloride	2.834	84	15477	18.02	ug/l #	86
21) trans-1,2-Dichloroethene	3.140	96	13307	17.18	ug/l	92
22) Diisopropyl ether	3.823	45	51812	18.63	ug/l	95
23) Vinyl Acetate	3.781	43	207810	88.34	ug/l #	92
24) 1,1-Dichloroethane	3.664	63	27610	18.42	ug/l	98
25) 2-Butanone	4.634	43	59203	88.71	ug/l	90
26) 2,2-Dichloropropane	4.540	77	22504	17.33	ug/l	96
27) cis-1,2-Dichloroethene	4.558	96	16356	18.18	ug/l	93
28) Bromochloromethane	4.976	49	14668	19.54	ug/l	84
29) Tetrahydrofuran	5.087	42	37940	87.69	ug/l	86
30) Chloroform	5.170	83	30032	18.98	ug/l	99
31) Cyclohexane	5.546	56	21443	16.75	ug/l	90
32) 1,1,1-Trichloroethane	5.458	97	25702	18.33	ug/l	96
36) 1,1-Dichloropropene	5.764	75	19259	17.40	ug/l	98
37) Ethyl Acetate	4.793	43	22091	17.26	ug/l	94
38) Carbon Tetrachloride	5.746	117	22497	18.91	ug/l	98
39) Methylcyclohexane	7.441	83	20690	16.86	ug/l	95
40) Benzene	6.105	78	58273	18.54	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.999	41	13271	17.87	ug/l	89
42) 1,2-Dichloroethane	6.158	62	26270	19.27	ug/l	93
43) Isopropyl Acetate	6.411	43	37402	17.99	ug/l #	90
44) Trichloroethene	7.182	130	15591	18.79	ug/l	94
45) 1,2-Dichloropropane	7.488	63	16745	19.66	ug/l	93
46) Dibromomethane	7.635	93	11969	19.28	ug/l	92
47) Bromodichloromethane	7.870	83	24966	19.76	ug/l	94
48) Methyl methacrylate	7.741	41	20151	18.17	ug/l #	81
49) 1,4-Dioxane	7.711	88	7455	375.53	ug/l #	86
51) 4-Methyl-2-Pentanone	8.617	43	124368	97.27	ug/l	87
52) Toluene	8.764	92	37278	19.20	ug/l	100
53) t-1,3-Dichloropropene	9.017	75	23634	18.53	ug/l	98
54) cis-1,3-Dichloropropene	8.411	75	25655	18.90	ug/l #	83
55) 1,1,2-Trichloroethane	9.194	97	16750	20.44	ug/l	100
56) Ethyl methacrylate	9.159	69	22549	17.69	ug/l #	73
57) 1,3-Dichloropropane	9.353	76	27475	19.59	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.288	63	65446	94.48	ug/l	95
59) 2-Hexanone	9.470	43	91818	95.64	ug/l	83
60) Dibromochloromethane	9.565	129	18491	20.14	ug/l	98
61) 1,2-Dibromoethane	9.653	107	17097	19.42	ug/l	100
64) Tetrachloroethene	9.317	164	14953	20.65	ug/l	93
65) Chlorobenzene	10.118	112	41420	19.07	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.200	131	16001	19.23	ug/l	99
67) Ethyl Benzene	10.235	91	71702	18.11	ug/l	99
68) m/p-Xylenes	10.341	106	51498	36.51	ug/l	90
69) o-Xylene	10.682	106	24550	17.97	ug/l	90
70) Styrene	10.694	104	43181	18.38	ug/l	95
71) Bromoform	10.841	173	13043	19.29	ug/l #	99
73) Isopropylbenzene	11.000	105	70109	18.91	ug/l	99
74) N-amyl acetate	10.876	43	31855	17.76	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.253	83	24814	18.94	ug/l	97
76) 1,2,3-Trichloropropane	11.277	75	24495m	19.94	ug/l	
77) Bromobenzene	11.235	156	17269	18.79	ug/l	96
78) n-propylbenzene	11.341	91	81612	18.64	ug/l	99
79) 2-Chlorotoluene	11.406	91	49990	18.82	ug/l	99
80) 1,3,5-Trimethylbenzene	11.488	105	59511	18.79	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.053	75	6994	17.34	ug/l #	81
82) 4-Chlorotoluene	11.494	91	58712	18.62	ug/l	98
83) tert-Butylbenzene	11.753	119	54509	17.68	ug/l	91
84) 1,2,4-Trimethylbenzene	11.788	105	60525	18.96	ug/l	98
85) sec-Butylbenzene	11.930	105	66230	18.62	ug/l	99
86) p-Isopropyltoluene	12.047	119	59581	18.40	ug/l	95
87) 1,3-Dichlorobenzene	12.006	146	30875	18.66	ug/l	97
88) 1,4-Dichlorobenzene	12.083	146	32099	18.75	ug/l	98
89) n-Butylbenzene	12.371	91	53362	17.99	ug/l	96
90) Hexachloroethane	12.577	117	10675	18.27	ug/l	93
91) 1,2-Dichlorobenzene	12.377	146	31313	19.46	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.983	75	5381	17.63	ug/l	83
93) 1,2,4-Trichlorobenzene	13.630	180	19236	18.24	ug/l	99
94) Hexachlorobutadiene	13.765	225	8835	18.56	ug/l	98
95) Naphthalene	13.818	128	60022	17.45	ug/l	99
96) 1,2,3-Trichlorobenzene	14.000	180	18998	18.02	ug/l	98

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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