

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121621\
 Data File : VX025813.D
 Acq On : 15 Dec 2021 14:29
 Operator : JC/MD
 Sample : VX1216WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1216WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/16/2021
 Supervised By : Mahesh Dadoda 12/21/2021

Quant Time: Dec 16 07:29:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 14 07:02:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	115168	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	189166	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	178757	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89337	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	79998	48.277	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 96.560%			
35) Dibromofluoromethane	5.385	113	68523	51.940	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.880%			
50) Toluene-d8	8.653	98	249756	51.959	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.920%			
62) 4-Bromofluorobenzene	11.079	95	93158	51.020	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.040%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	24507	23.793	ug/l	99
3) Chloromethane	1.294	50	27485	20.493	ug/l	96
4) Vinyl Chloride	1.374	62	29486	20.669	ug/l	99
5) Bromomethane	1.599	94	21436	21.044	ug/l	99
6) Chloroethane	1.685	64	20858	20.186	ug/l	98
7) Trichlorofluoromethane	1.886	101	48963	20.778	ug/l	94
8) Diethyl Ether	2.136	74	17604	18.938	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	26332	21.474	ug/l	98
10) Methyl Iodide	2.453	142	29211	18.696	ug/l	98
11) Tert butyl alcohol	2.965	59	26150	78.670	ug/l	97
12) 1,1-Dichloroethene	2.319	96	24363	19.983	ug/l	95
13) Acrolein	2.239	56	18121	79.756	ug/l	98
14) Allyl chloride	2.660	41	40556	18.226	ug/l	97
15) Acrylonitrile	3.062	53	74461	95.957	ug/l	100
16) Acetone	2.380	43	83826	104.733	ug/l	98
17) Carbon Disulfide	2.514	76	61272	17.545	ug/l	99
18) Methyl Acetate	2.703	43	49354	19.542	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	82893	19.249	ug/l	97
20) Methylene Chloride	2.788	84	28887	18.875	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	27542	20.242	ug/l	92
22) Diisopropyl ether	3.763	45	87098	20.179	ug/l	96
23) Vinyl Acetate	3.721	43	327805	98.143	ug/l	99
24) 1,1-Dichloroethane	3.611	63	48800	19.801	ug/l	98
25) 2-Butanone	4.556	43	113935	102.229	ug/l	98
26) 2,2-Dichloropropane	4.477	77	33785	18.074	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	31199	19.338	ug/l	99
28) Bromochloromethane	4.904	49	19690	17.729	ug/l #	10
29) Tetrahydrofuran	5.007	42	69987	98.768	ug/l	98
30) Chloroform	5.099	83	52738	19.511	ug/l	99
31) Cyclohexane	5.470	56	44796	22.230	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	45110	19.175	ug/l	99
36) 1,1-Dichloropropene	5.690	75	38181	21.341	ug/l	99
37) Ethyl Acetate	4.721	43	40519	20.385	ug/l	100
38) Carbon Tetrachloride	5.678	117	40427	19.421	ug/l	98
39) Methylcyclohexane	7.385	83	46147	23.052	ug/l	99
40) Benzene	6.044	78	114022	21.365	ug/l	98

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41) Methacrylonitrile	4.916	41	22399	20.362	ug/l	98
42) 1,2-Dichloroethane	6.092	62	41817	20.617	ug/l	100
43) Isopropyl Acetate	6.342	43	61999	19.360	ug/l	99
44) Trichloroethene	7.129	130	31201	21.000	ug/l	92
45) 1,2-Dichloropropane	7.434	63	27770	20.645	ug/l	100
46) Dibromomethane	7.586	93	21605	20.631	ug/l	98
47) Bromodichloromethane	7.824	83	38472	18.640	ug/l #	99
48) Methyl methacrylate	7.696	41	30709	20.364	ug/l	98
49) 1,4-Dioxane	7.659	88	14198	431.256	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	211970	101.114	ug/l	99
52) Toluene	8.720	92	72690	21.377	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	34508	17.540	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	41411	19.238	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	29407	20.166	ug/l	99
56) Ethyl methacrylate	9.116	69	41992	20.051	ug/l	97
57) 1,3-Dichloropropane	9.311	76	48986	20.480	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	89153	97.340	ug/l	99
59) 2-Hexanone	9.433	43	162959	102.596	ug/l	99
60) Dibromochloromethane	9.525	129	30206	18.250	ug/l	100
61) 1,2-Dibromoethane	9.610	107	31567	19.964	ug/l	98
64) Tetrachloroethene	9.275	164	32498	22.791	ug/l	98
65) Chlorobenzene	10.079	112	80130	21.505	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	27885	19.164	ug/l	97
67) Ethyl Benzene	10.195	91	139961	22.212	ug/l	100
68) m/p-Xylenes	10.305	106	110933	45.244	ug/l	100
69) o-Xylene	10.646	106	54009	22.392	ug/l	99
70) Styrene	10.659	104	88965	22.165	ug/l	99
71) Bromoform	10.805	173	20033	16.713	ug/l #	96
73) Isopropylbenzene	10.963	105	139615	21.533	ug/l	99
74) N-amyl acetate	10.848	43	49711	19.062	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	44419	19.656	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	38852m	18.981	ug/l	
77) Bromobenzene	11.201	156	34855	20.958	ug/l	98
78) n-propylbenzene	11.305	91	161156	21.974	ug/l	99
79) 2-Chlorotoluene	11.366	91	96248	20.638	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	118702	22.074	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	9304	14.092	ug/l #	82
82) 4-Chlorotoluene	11.457	91	110638	21.186	ug/l	99
83) tert-Butylbenzene	11.719	119	113894	21.608	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	116950	21.771	ug/l	98
85) sec-Butylbenzene	11.890	105	146537	23.130	ug/l	99
86) p-Isopropyltoluene	12.012	119	121539	22.843	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	65913	21.271	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	66346	20.971	ug/l	100
89) n-Butylbenzene	12.335	91	100312	22.602	ug/l	100
90) Hexachloroethane	12.542	117	16460	15.741	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	64079	21.654	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8373	16.489	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	34985	21.667	ug/l	99
94) Hexachlorobutadiene	13.725	225	15532	24.674	ug/l	96
95) Naphthalene	13.780	128	111123	19.743	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	34736	21.493	ug/l	98

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

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