

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090922\
 Data File : VX031249.D
 Acq On : 09 Sep 2022 12:10
 Operator : JC/MD
 Sample : VX0909WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0909WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/12/2022
 Supervised By : Mahesh Dadoda 09/12/2022

Quant Time: Sep 09 15:26:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 07 23:22:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	38769	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	61824	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	68259	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	41546	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	57172	62.287	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 124.580%			
35) Dibromofluoromethane	5.391	113	38211	56.717	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.440%			
50) Toluene-d8	8.647	98	121132	49.487	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.980%			
62) 4-Bromofluorobenzene	11.079	95	50244	56.012	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.020%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	15212	24.416	ug/l	98
3) Chloromethane	1.288	50	8286	17.307	ug/l	94
4) Vinyl Chloride	1.368	62	11844	20.957	ug/l	94
5) Bromomethane	1.612	94	8233	22.800	ug/l	99
6) Chloroethane	1.679	64	8912	28.110	ug/l	92
7) Trichlorofluoromethane	1.880	101	34239	27.803	ug/l	100
8) Diethyl Ether	2.136	74	8187	23.405	ug/l	80
9) 1,1,2-Trichlorotrifluo...	2.325	101	16391	23.536	ug/l	95
10) Methyl Iodide	2.447	142	15287	17.752	ug/l	# 73
11) Tert butyl alcohol	2.995	59	22684	124.764	ug/l	# 94
12) 1,1-Dichloroethene	2.319	96	14125	21.579	ug/l	92
13) Acrolein	2.239	56	14167	111.134	ug/l	98
14) Allyl chloride	2.660	41	17226	19.590	ug/l	# 59
15) Acrylonitrile	3.069	53	36128	103.369	ug/l	# 94
16) Acetone	2.392	43	37242	117.182	ug/l	# 85
17) Carbon Disulfide	2.508	76	32814	20.391	ug/l	97
18) Methyl Acetate	2.703	43	16525	20.085	ug/l	# 85
19) Methyl tert-butyl Ether	3.117	73	55393	23.826	ug/l	# 85
20) Methylene Chloride	2.788	84	15669	20.977	ug/l	# 83
21) trans-1,2-Dichloroethene	3.093	96	14199	19.578	ug/l	97
22) Diisopropyl ether	3.764	45	34347	18.602	ug/l	# 83
23) Vinyl Acetate	3.721	43	163448	105.461	ug/l	# 88
24) 1,1-Dichloroethane	3.611	63	26663	21.770	ug/l	99
25) 2-Butanone	4.562	43	47243	100.356	ug/l	# 84
26) 2,2-Dichloropropane	4.477	77	30307	27.654	ug/l	87
27) cis-1,2-Dichloroethene	4.489	96	17769	21.340	ug/l	97
28) Bromochloromethane	4.904	49	8720	19.635	ug/l	# 68
29) Tetrahydrofuran	5.007	42	27480	98.873	ug/l	# 76
30) Chloroform	5.093	83	34086	23.528	ug/l	93
31) Cyclohexane	5.471	56	19050	18.573	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	34472	26.401	ug/l	96
36) 1,1-Dichloropropene	5.696	75	21276	21.088	ug/l	96
37) Ethyl Acetate	4.727	43	18273	20.415	ug/l	# 95
38) Carbon Tetrachloride	5.672	117	30589	28.816	ug/l	96
39) Methylcyclohexane	7.379	83	23964	20.796	ug/l	92
40) Benzene	6.038	78	55268	20.165	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	9263	19.792	ug/l #	76
42) 1,2-Dichloroethane	6.086	62	29721	26.486	ug/l	93
43) Isopropyl Acetate	6.342	43	28492	20.190	ug/l #	96
44) Trichloroethene	7.129	130	16495	21.410	ug/l	95
45) 1,2-Dichloropropane	7.434	63	12312	18.279	ug/l	98
46) Dibromomethane	7.580	93	11590	21.699	ug/l	100
47) Bromodichloromethane	7.824	83	26506	25.511	ug/l	89
48) Methyl methacrylate	7.690	41	14451	21.029	ug/l #	80
49) 1,4-Dioxane	7.696	88	8399	442.739	ug/l	89
51) 4-Methyl-2-Pentanone	8.574	43	88842	102.810	ug/l	92
52) Toluene	8.720	92	36131	19.987	ug/l	96
53) t-1,3-Dichloropropene	8.982	75	26493	24.477	ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	25584	22.017	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	15984	21.506	ug/l	97
56) Ethyl methacrylate	9.116	69	23280	21.260	ug/l #	90
57) 1,3-Dichloropropane	9.311	76	27104	21.105	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	46649	90.393	ug/l #	88
59) 2-Hexanone	9.433	43	73152	111.941	ug/l	96
60) Dibromochloromethane	9.519	129	19387	25.301	ug/l	99
61) 1,2-Dibromoethane	9.610	107	18085	21.896	ug/l	97
64) Tetrachloroethene	9.275	164	15175	21.356	ug/l	91
65) Chlorobenzene	10.079	112	41950	20.873	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	18026	22.963	ug/l	95
67) Ethyl Benzene	10.195	91	80640	22.142	ug/l	96
68) m/p-Xylenes	10.299	106	57548	42.626	ug/l	83
69) o-Xylene	10.646	106	28597	21.224	ug/l	86
70) Styrene	10.659	104	48276	22.342	ug/l #	90
71) Bromoform	10.799	173	12659	24.203	ug/l #	95
73) Isopropylbenzene	10.964	105	79929	22.155	ug/l	95
74) N-amyl acetate	10.842	43	24123	21.003	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.213	83	22570	20.041	ug/l	95
76) 1,2,3-Trichloropropane	11.238	75	24072m	21.230	ug/l	
77) Bromobenzene	11.201	156	16526	21.077	ug/l	93
78) n-propylbenzene	11.305	91	90098	21.909	ug/l	95
79) 2-Chlorotoluene	11.366	91	56934	22.347	ug/l	93
80) 1,3,5-Trimethylbenzene	11.451	105	68497	22.584	ug/l	92
81) trans-1,4-Dichloro-2-b...	11.018	75	7460	21.218	ug/l #	76
82) 4-Chlorotoluene	11.457	91	67309	22.834	ug/l	91
83) tert-Butylbenzene	11.713	119	65399	21.873	ug/l	87
84) 1,2,4-Trimethylbenzene	11.750	105	68127	23.105	ug/l	91
85) sec-Butylbenzene	11.890	105	80992	21.872	ug/l	99
86) p-Isopropyltoluene	12.012	119	70940	23.714	ug/l	92
87) 1,3-Dichlorobenzene	11.969	146	32952	22.612	ug/l	95
88) 1,4-Dichlorobenzene	12.043	146	32898	21.952	ug/l	95
89) n-Butylbenzene	12.335	91	61216	23.734	ug/l	96
90) Hexachloroethane	12.542	117	12562	24.440	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	32871	23.001	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7626	24.656	ug/l	73
93) 1,2,4-Trichlorobenzene	13.591	180	19288	23.080	ug/l	96
94) Hexachlorobutadiene	13.725	225	8717	24.564	ug/l	96
95) Naphthalene	13.774	128	71369	21.800	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	19255	22.631	ug/l	94

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

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