

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050123\
 Data File : VX035457.D
 Acq On : 01 May 2023 22:30
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/02/2023
 Supervised By : Mahesh Dadoda 05/03/2023

Quant Time: May 02 02:41:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	194829	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	340894	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	300762	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	148800	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	147217	62.632	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 125.260%#			
35) Dibromofluoromethane	5.391	113	122100	58.357	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 116.720%			
50) Toluene-d8	8.647	98	423059	53.600	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.200%			
62) 4-Bromofluorobenzene	11.079	95	164652	55.454	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.900%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	91860	44.559	ug/l	97
3) Chloromethane	1.294	50	90624	48.323	ug/l	98
4) Vinyl Chloride	1.374	62	86661	46.073	ug/l	98
5) Bromomethane	1.617	94	53680	42.939	ug/l	99
6) Chloroethane	1.691	64	50901	46.270	ug/l	97
7) Trichlorofluoromethane	1.886	101	133574	45.411	ug/l	99
8) Diethyl Ether	2.136	74	60168	56.103	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.331	101	84096	42.806	ug/l	96
10) Methyl Iodide	2.453	142	105279	42.461	ug/l	98
11) Tert butyl alcohol	2.989	59	141973	331.729	ug/l #	81
12) 1,1-Dichloroethene	2.318	96	90361	47.753	ug/l	97
13) Acrolein	2.239	56	123511	293.454	ug/l	99
14) Allyl chloride	2.666	41	180140	54.095	ug/l	96
15) Acrylonitrile	3.068	53	341243	318.794	ug/l	100
16) Acetone	2.392	43	281179	275.433	ug/l	96
17) Carbon Disulfide	2.514	76	203455	44.851	ug/l	99
18) Methyl Acetate	2.703	43	259696	65.785	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	411691	63.416	ug/l	96
20) Methylene Chloride	2.788	84	125653	53.680	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	108376	52.734	ug/l	96
22) Diisopropyl ether	3.757	45	390570	59.270	ug/l	96
23) Vinyl Acetate	3.721	43	1426988	315.038	ug/l	97
24) 1,1-Dichloroethane	3.611	63	211071	56.865	ug/l	98
25) 2-Butanone	4.562	43	457181	306.823	ug/l	95
26) 2,2-Dichloropropane	4.477	77	146906	50.518	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	138355	57.272	ug/l	93
28) Bromochloromethane	4.897	49	101393	64.100	ug/l	84
29) Tetrahydrofuran	5.007	42	296500	310.409	ug/l	94
30) Chloroform	5.092	83	222139	59.283	ug/l	96
31) Cyclohexane	5.470	56	141986	42.584	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	176384	53.712	ug/l	96
36) 1,1-Dichloropropene	5.690	75	141340	43.262	ug/l	97
37) Ethyl Acetate	4.714	43	175797	58.915	ug/l	96
38) Carbon Tetrachloride	5.678	117	144777	46.681	ug/l	96
39) Methylcyclohexane	7.379	83	139481	35.074	ug/l	100
40) Benzene	6.037	78	469632	50.110	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	99547m	58.222	ug/l	
42) 1,2-Dichloroethane	6.086	62	178479	53.412	ug/l	96
43) Isopropyl Acetate	6.336	43	295383	58.913	ug/l	95
44) Trichloroethene	7.129	130	124821	48.346	ug/l	97
45) 1,2-Dichloropropane	7.433	63	126823	53.675	ug/l	100
46) Dibromomethane	7.580	93	89103	54.915	ug/l	91
47) Bromodichloromethane	7.824	83	166190	55.591	ug/l	99
48) Methyl methacrylate	7.689	41	145984	59.356	ug/l	93
49) 1,4-Dioxane	7.708	88	66307	1106.044	ug/l	96
51) 4-Methyl-2-Pentanone	8.573	43	896490	291.035	ug/l	95
52) Toluene	8.720	92	298830	50.303	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	186227	59.649	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	202428	57.364	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	132124	55.790	ug/l	96
56) Ethyl methacrylate	9.116	69	209671	59.433	ug/l	89
57) 1,3-Dichloropropane	9.311	76	223790	55.248	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	525271	297.774	ug/l	94
59) 2-Hexanone	9.433	43	669002	289.097	ug/l	93
60) Dibromochloromethane	9.518	129	135005	59.499	ug/l	100
61) 1,2-Dibromoethane	9.610	107	138395	56.687	ug/l	99
64) Tetrachloroethene	9.275	164	101636	44.135	ug/l	98
65) Chlorobenzene	10.079	112	325513	50.025	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	126348	55.792	ug/l	99
67) Ethyl Benzene	10.195	91	549944	48.802	ug/l	98
68) m/p-Xylenes	10.299	106	424108	98.219	ug/l	98
69) o-Xylene	10.640	106	216223	51.066	ug/l	100
70) Styrene	10.652	104	368204	53.632	ug/l	97
71) Bromoform	10.799	173	97199	61.706	ug/l #	100
73) Isopropylbenzene	10.963	105	520342	47.838	ug/l	100
74) N-amyl acetate	10.841	43	240177	58.756	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	195443	57.890	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	158385m	53.360	ug/l	
77) Bromobenzene	11.201	156	145861	53.947	ug/l	90
78) n-propylbenzene	11.305	91	571115	45.718	ug/l	99
79) 2-Chlorotoluene	11.366	91	381222	48.836	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	450143	49.081	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	53081	57.920	ug/l	97
82) 4-Chlorotoluene	11.457	91	436170	49.748	ug/l	97
83) tert-Butylbenzene	11.713	119	440173	47.833	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	457883	49.687	ug/l	100
85) sec-Butylbenzene	11.890	105	476277	42.194	ug/l	99
86) p-Isopropyltoluene	12.006	119	425295	44.300	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	261167	50.827	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	263475	48.905	ug/l	99
89) n-Butylbenzene	12.335	91	327198	40.374	ug/l	99
90) Hexachloroethane	12.536	117	69208	47.093	ug/l	89
91) 1,2-Dichlorobenzene	12.335	146	264081	51.386	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	42481	62.751	ug/l	84
93) 1,2,4-Trichlorobenzene	13.591	180	154694	47.888	ug/l	99
94) Hexachlorobutadiene	13.725	225	50395	35.546	ug/l	97
95) Naphthalene	13.774	128	574404	57.760	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	152300	46.835	ug/l	99

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

