

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112421\
 Data File : VX025315.D
 Acq On : 24 Nov 2021 10:05
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/26/2021
 Supervised By : Mahesh Dadoda 11/26/2021

Quant Time: Nov 26 10:30:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	111378	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	170809	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	158708	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	80157	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	56964	48.521	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.040%		
35) Dibromofluoromethane	5.385	113	51486	49.127	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.260%		
50) Toluene-d8	8.647	98	192427	48.834	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.660%		
62) 4-Bromofluorobenzene	11.079	95	73311	49.179	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.360%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	54233	56.173	ug/l	99
3) Chloromethane	1.295	50	54533	45.618	ug/l	99
4) Vinyl Chloride	1.374	62	61972	47.217	ug/l	99
5) Bromomethane	1.599	94	27347	48.464	ug/l	99
6) Chloroethane	1.679	64	40547	44.774	ug/l	98
7) Trichlorofluoromethane	1.886	101	92934	47.706	ug/l	99
8) Diethyl Ether	2.136	74	37300	46.396	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.325	101	52884	51.021	ug/l	97
10) Methyl Iodide	2.453	142	65766	50.745	ug/l	92
11) Tert butyl alcohol	2.965	59	60298	206.064	ug/l	98
12) 1,1-Dichloroethene	2.319	96	49785	48.228	ug/l	87
13) Acrolein	2.233	56	13022	242.119	ug/l	98
14) Allyl chloride	2.660	41	84736	45.355	ug/l	95
15) Acrylonitrile	3.063	53	143111	227.161	ug/l	99
16) Acetone	2.380	43	156516	239.928	ug/l	94
17) Carbon Disulfide	2.508	76	123149	42.407	ug/l	100
18) Methyl Acetate	2.703	43	90804	43.566	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	171414	47.657	ug/l	99
20) Methylene Chloride	2.788	84	55450	45.218	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	54167	47.898	ug/l	86
22) Diisopropyl ether	3.758	45	172678	48.533	ug/l	97
23) Vinyl Acetate	3.721	43	679162	237.641	ug/l	96
24) 1,1-Dichloroethane	3.611	63	95199	48.969	ug/l	98
25) 2-Butanone	4.556	43	218350	231.511	ug/l	98
26) 2,2-Dichloropropane	4.471	77	86269	48.946	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	64266	48.663	ug/l	90
28) Bromochloromethane	4.891	49	46437	51.226	ug/l	92
29) Tetrahydrofuran	5.001	42	129360	221.516	ug/l	98
30) Chloroform	5.093	83	100448	49.649	ug/l	99
31) Cyclohexane	5.465	56	86684	47.781	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	90760	48.999	ug/l	98
36) 1,1-Dichloropropene	5.690	75	73228	49.138	ug/l	97
37) Ethyl Acetate	4.709	43	77558	45.743	ug/l	98
38) Carbon Tetrachloride	5.678	117	80972	49.331	ug/l	97
39) Methylcyclohexane	7.379	83	93285	48.801	ug/l	94
40) Benzene	6.038	78	220857	48.923	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	42185	44.826	ug/l	96
42) 1,2-Dichloroethane	6.086	62	73982	50.365	ug/l	92
43) Isopropyl Acetate	6.336	43	131446	46.584	ug/l	98
44) Trichloroethene	7.123	130	65431	49.893	ug/l	95
45) 1,2-Dichloropropane	7.428	63	54906	49.520	ug/l	97
46) Dibromomethane	7.580	93	39863	49.525	ug/l	93
47) Bromodichloromethane	7.824	83	77005	48.683	ug/l	98
48) Methyl methacrylate	7.690	41	60879	45.971	ug/l	96
49) 1,4-Dioxane	7.659	88	23577	843.065	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	409355	231.356	ug/l	99
52) Toluene	8.720	92	144624	49.070	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	86085	48.940	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	92362	48.440	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	58746	50.150	ug/l	96
56) Ethyl methacrylate	9.116	69	91077	47.911	ug/l	95
57) 1,3-Dichloropropane	9.311	76	95612	49.245	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	234437	265.075	ug/l	96
59) 2-Hexanone	9.433	43	324751	232.810	ug/l	97
60) Dibromochloromethane	9.525	129	64633	47.939	ug/l	100
61) 1,2-Dibromoethane	9.610	107	62077	48.929	ug/l	97
64) Tetrachloroethene	9.275	164	66730	50.989	ug/l	95
65) Chlorobenzene	10.080	112	160956	49.767	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	59868	48.270	ug/l	99
67) Ethyl Benzene	10.195	91	278374	49.808	ug/l	96
68) m/p-Xylenes	10.305	106	222612	97.515	ug/l	93
69) o-Xylene	10.640	106	110686	49.539	ug/l	90
70) Styrene	10.659	104	182987	49.574	ug/l	96
71) Bromoform	10.799	173	49175	45.668	ug/l #	99
73) Isopropylbenzene	10.964	105	284139	49.738	ug/l	98
74) N-amyl acetate	10.842	43	115568	46.771	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.214	83	87145	47.161	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	79958m	48.712	ug/l	
77) Bromobenzene	11.201	156	72622	49.431	ug/l	92
78) n-propylbenzene	11.305	91	326359	50.895	ug/l	97
79) 2-Chlorotoluene	11.366	91	191982	49.177	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	237522	49.464	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	29231	44.862	ug/l	91
82) 4-Chlorotoluene	11.457	91	218602	49.054	ug/l	96
83) tert-Butylbenzene	11.713	119	239591	49.096	ug/l	94
84) 1,2,4-Trimethylbenzene	11.756	105	238267	50.204	ug/l	96
85) sec-Butylbenzene	11.890	105	302230	50.942	ug/l	98
86) p-Isopropyltoluene	12.012	119	256418	50.303	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	136108	49.768	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	136707	49.332	ug/l	98
89) n-Butylbenzene	12.335	91	217314	50.579	ug/l	96
90) Hexachloroethane	12.543	117	43136	45.920	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	131325	49.273	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	18158	47.045	ug/l	84
93) 1,2,4-Trichlorobenzene	13.591	180	86043	54.849	ug/l	99
94) Hexachlorobutadiene	13.725	225	36632	48.633	ug/l	97
95) Naphthalene	13.774	128	272995	50.478	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	84171	54.848	ug/l	99

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

