

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112321\
 Data File : VX025313.D
 Acq On : 24 Nov 2021 06:38
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/24/2021
 Supervised By : Mahesh Dadoda 11/24/2021

Quant Time: Nov 24 09:57:03 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	5.556	168	108344	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	171536	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	157999	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	79465	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	61151	53.546	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.100%			
35) Dibromofluoromethane	5.391	113	55944	53.154	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.300%			
50) Toluene-d8	8.653	98	207262	52.376	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.760%			
62) 4-Bromofluorobenzene	11.085	95	77365	51.678	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.360%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	53660	57.135	ug/l	98
3) Chloromethane	1.294	50	61373	52.777	ug/l	99
4) Vinyl Chloride	1.374	62	66156	51.817	ug/l	100
5) Bromomethane	1.599	94	27108	49.385	ug/l	99
6) Chloroethane	1.678	64	41575	47.194	ug/l	100
7) Trichlorofluoromethane	1.886	101	97564	51.485	ug/l	99
8) Diethyl Ether	2.136	74	38571	49.320	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	51970	51.543	ug/l	98
10) Methyl Iodide	2.453	142	64751	51.361	ug/l	91
11) Tert butyl alcohol	2.965	59	69900	247.345	ug/l	97
12) 1,1-Dichloroethene	2.318	96	52238	52.021	ug/l	87
13) Acrolein	2.233	56	14966	286.056	ug/l	95
14) Allyl chloride	2.666	41	88032	48.439	ug/l	94
15) Acrylonitrile	3.062	53	157078	256.313	ug/l	99
16) Acetone	2.379	43	126406	199.198	ug/l	94
17) Carbon Disulfide	2.514	76	128417	45.460	ug/l	98
18) Methyl Acetate	2.703	43	102281	50.447	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	182443	52.143	ug/l	99
20) Methylene Chloride	2.788	84	59550	49.921	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	55114	50.100	ug/l	91
22) Diisopropyl ether	3.763	45	183684	53.072	ug/l	99
23) Vinyl Acetate	3.727	43	727877	261.819	ug/l	97
24) 1,1-Dichloroethane	3.611	63	99772	52.758	ug/l	97
25) 2-Butanone	4.556	43	217117	236.650	ug/l	100
26) 2,2-Dichloropropane	4.477	77	71746	41.846	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	66043	51.409	ug/l	88
28) Bromochloromethane	4.903	49	46505	52.738	ug/l	94
29) Tetrahydrofuran	5.007	42	141842	249.692	ug/l	98
30) Chloroform	5.092	83	102135	51.896	ug/l	100
31) Cyclohexane	5.470	56	87806	49.755	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	90439	50.193	ug/l	97
36) 1,1-Dichloropropene	5.696	75	74074	49.495	ug/l	97
37) Ethyl Acetate	4.714	43	85584	50.262	ug/l	99
38) Carbon Tetrachloride	5.684	117	80417	48.786	ug/l	99
39) Methylcyclohexane	7.379	83	89765	46.761	ug/l	92
40) Benzene	6.043	78	227961	50.283	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	47557	50.321	ug/l	97
42) 1,2-Dichloroethane	6.086	62	76601	51.927	ug/l	93
43) Isopropyl Acetate	6.342	43	143313	50.574	ug/l	98
44) Trichloroethene	7.129	130	63607	48.297	ug/l	96
45) 1,2-Dichloropropane	7.433	63	58423	52.468	ug/l	96
46) Dibromomethane	7.580	93	40313	49.872	ug/l	92
47) Bromodichloromethane	7.824	83	78861	49.645	ug/l	97
48) Methyl methacrylate	7.696	41	65409	49.182	ug/l	95
49) 1,4-Dioxane	7.659	88	25973	924.805	ug/l	95
51) 4-Methyl-2-Pentanone	8.573	43	447041	251.585	ug/l	99
52) Toluene	8.720	92	147996	50.001	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	85649	48.485	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	93446	48.801	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	60277	51.239	ug/l	99
56) Ethyl methacrylate	9.116	69	97197	50.914	ug/l	95
57) 1,3-Dichloropropane	9.311	76	99393	50.976	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	239527	269.683	ug/l	96
59) 2-Hexanone	9.433	43	339935	242.662	ug/l	96
60) Dibromochloromethane	9.525	129	65518	48.389	ug/l	100
61) 1,2-Dibromoethane	9.610	107	64861	50.907	ug/l	100
64) Tetrachloroethene	9.275	164	56405	43.293	ug/l	92
65) Chlorobenzene	10.079	112	162223	50.384	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	61178	49.548	ug/l	99
67) Ethyl Benzene	10.195	91	281569	50.605	ug/l	98
68) m/p-Xylenes	10.305	106	221516	97.470	ug/l	94
69) o-Xylene	10.646	106	111082	49.939	ug/l	91
70) Styrene	10.658	104	185238	50.409	ug/l	97
71) Bromoform	10.799	173	50931	47.511	ug/l #	99
73) Isopropylbenzene	10.963	105	282650	49.908	ug/l	98
74) N-amyl acetate	10.847	43	130384	53.227	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	95692	52.237	ug/l	100
76) 1,2,3-Trichloropropane	11.244	75	82382m	50.626	ug/l	
77) Bromobenzene	11.201	156	73871	50.719	ug/l	95
78) n-propylbenzene	11.305	91	319831	50.311	ug/l	97
79) 2-Chlorotoluene	11.366	91	193802	50.076	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	235634	49.498	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	29266	45.306	ug/l	89
82) 4-Chlorotoluene	11.457	91	222137	50.281	ug/l	97
83) tert-Butylbenzene	11.719	119	241286	49.874	ug/l	94
84) 1,2,4-Trimethylbenzene	11.756	105	236225	50.207	ug/l	95
85) sec-Butylbenzene	11.890	105	290742	49.432	ug/l	98
86) p-Isopropyltoluene	12.012	119	253890	50.241	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	135792	50.085	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	136950	49.850	ug/l	97
89) n-Butylbenzene	12.335	91	203375	47.747	ug/l	96
90) Hexachloroethane	12.542	117	43470	46.679	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	132619	50.192	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	19615	51.262	ug/l	84
93) 1,2,4-Trichlorobenzene	13.591	180	82591	53.107	ug/l	99
94) Hexachlorobutadiene	13.725	225	33253	44.531	ug/l	99
95) Naphthalene	13.780	128	315298	58.870	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	83693	55.012	ug/l	99

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

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