

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121421\
 Data File : VX025803.D
 Acq On : 15 Dec 2021 02:36
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/15/2021
 Supervised By : Mahesh Dadoda 12/21/2021

Quant Time: Dec 15 07:15:50 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	129109	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	214721	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	205450	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	104151	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	71408	38.440	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	76.880%#		
35) Dibromofluoromethane	5.385	113	61201	40.869	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	81.740%		
50) Toluene-d8	8.653	98	228476	41.875	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	83.760%#		
62) 4-Bromofluorobenzene	11.079	95	87401	42.170	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	84.340%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	56287	48.747	ug/l	100
3) Chloromethane	1.294	50	63152	42.003	ug/l	97
4) Vinyl Chloride	1.374	62	67017	41.905	ug/l	99
5) Bromomethane	1.599	94	45209	39.590	ug/l	98
6) Chloroethane	1.679	64	45746	39.492	ug/l	99
7) Trichlorofluoromethane	1.886	101	111379	42.162	ug/l	95
8) Diethyl Ether	2.136	74	39757	38.152	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.325	101	60037	43.673	ug/l	99
10) Methyl Iodide	2.453	142	80024	45.687	ug/l	99
11) Tert butyl alcohol	2.971	59	62928	168.872	ug/l	100
12) 1,1-Dichloroethene	2.319	96	57065	41.751	ug/l	96
13) Acrolein	2.239	56	52415	205.785	ug/l	98
14) Allyl chloride	2.666	41	94483	37.876	ug/l	99
15) Acrylonitrile	3.062	53	168789	194.030	ug/l	100
16) Acetone	2.380	43	142317	170.384	ug/l	100
17) Carbon Disulfide	2.514	76	151680	38.742	ug/l	99
18) Methyl Acetate	2.703	43	110207	38.925	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	199619	41.350	ug/l	100
20) Methylene Chloride	2.788	84	66176	41.224	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	65282	42.797	ug/l	96
22) Diisopropyl ether	3.764	45	202694	41.890	ug/l	93
23) Vinyl Acetate	3.721	43	778603	207.938	ug/l	100
24) 1,1-Dichloroethane	3.611	63	114946	41.604	ug/l	97
25) 2-Butanone	4.556	43	233637	186.997	ug/l	100
26) 2,2-Dichloropropane	4.477	77	65648	31.327	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	75445	41.713	ug/l	97
28) Bromochloromethane	4.898	49	53182	42.715	ug/l	99
29) Tetrahydrofuran	5.001	42	153526	193.267	ug/l	99
30) Chloroform	5.093	83	123925	40.897	ug/l	98
31) Cyclohexane	5.471	56	103973	46.025	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	108581	41.172	ug/l	99
36) 1,1-Dichloropropene	5.690	75	90282	44.457	ug/l	98
37) Ethyl Acetate	4.715	43	92094	40.818	ug/l	99
38) Carbon Tetrachloride	5.678	117	96865	40.995	ug/l	99
39) Methylcyclohexane	7.379	83	108789	47.877	ug/l	97
40) Benzene	6.038	78	262158	43.276	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	49159	39.370	ug/l	98
42) 1,2-Dichloroethane	6.086	62	95536	41.495	ug/l	100
43) Isopropyl Acetate	6.336	43	146183	40.215	ug/l	99
44) Trichloroethene	7.123	130	74358	44.090	ug/l	96
45) 1,2-Dichloropropane	7.428	63	64572	42.291	ug/l	97
46) Dibromomethane	7.580	93	49411	41.568	ug/l	96
47) Bromodichloromethane	7.818	83	93879	40.072	ug/l	94
48) Methyl methacrylate	7.696	41	72654	42.444	ug/l	98
49) 1,4-Dioxane	7.659	88	29746	795.986	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	491032	206.355	ug/l	100
52) Toluene	8.720	92	172968	44.813	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	88559	39.657	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	99733	40.817	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	70075	42.335	ug/l	98
56) Ethyl methacrylate	9.116	69	103897	43.706	ug/l	99
57) 1,3-Dichloropropane	9.311	76	115012	42.360	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	245562	213.896	ug/l	100
59) 2-Hexanone	9.433	43	370586	205.546	ug/l	100
60) Dibromochloromethane	9.525	129	75175	40.015	ug/l	99
61) 1,2-Dibromoethane	9.610	107	75575	42.109	ug/l	99
64) Tetrachloroethene	9.275	164	75824	46.268	ug/l	95
65) Chlorobenzene	10.079	112	191405	44.694	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	68270	40.823	ug/l	97
67) Ethyl Benzene	10.195	91	334818	46.233	ug/l	99
68) m/p-Xylenes	10.305	106	267664	94.984	ug/l	100
69) o-Xylene	10.646	106	131383	47.393	ug/l	99
70) Styrene	10.659	104	218667	47.402	ug/l	99
71) Bromoform	10.799	173	53491	38.828	ug/l	97
73) Isopropylbenzene	10.963	105	343204	45.404	ug/l	100
74) N-amyl acetate	10.848	43	128711	42.335	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	104139	39.529	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	91310m	38.265	ug/l	
77) Bromobenzene	11.201	156	85164	43.924	ug/l	97
78) n-propylbenzene	11.305	91	396729	46.401	ug/l	100
79) 2-Chlorotoluene	11.366	91	233610	42.967	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	287617	45.878	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	24464	31.784	ug/l	93
82) 4-Chlorotoluene	11.457	91	268762	44.144	ug/l	100
83) tert-Butylbenzene	11.719	119	280732	45.685	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	288881	46.128	ug/l	100
85) sec-Butylbenzene	11.890	105	357863	48.451	ug/l	100
86) p-Isopropyltoluene	12.012	119	303110	48.866	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	161132	44.603	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	161003	43.652	ug/l	100
89) n-Butylbenzene	12.335	91	247381	47.811	ug/l	99
90) Hexachloroethane	12.542	117	45820	37.586	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	155618	45.107	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	22316	37.695	ug/l	99
93) 1,2,4-Trichlorobenzene	13.591	180	93269	45.211	ug/l	99
94) Hexachlorobutadiene	13.725	225	37476	51.067	ug/l	98
95) Naphthalene	13.780	128	302706	42.908	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	92942	45.452	ug/l	99

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

