

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042622\
 Data File : VX028340.D
 Acq On : 26 Apr 2022 11:11
 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 04/27/2022
 Supervised By : Mahesh Dadoda 04/27/2022

Quant Time: Apr 26 17:42:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	351991	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	535670	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	509690	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	281869	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	206787	45.056	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	90.120%		
35) Dibromofluoromethane	5.385	113	190297	50.657	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	101.320%		
50) Toluene-d8	8.653	98	699436	48.476	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.960%		
62) 4-Bromofluorobenzene	11.085	95	265538	48.132	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.260%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	153631	67.614	ug/l	98
3) Chloromethane	1.288	50	135567	59.647	ug/l	99
4) Vinyl Chloride	1.374	62	168621	47.519	ug/l	100
5) Bromomethane	1.599	94	173634	55.883	ug/l	98
6) Chloroethane	1.678	64	116486	45.558	ug/l	99
7) Trichlorofluoromethane	1.886	101	310859	39.727	ug/l	97
8) Diethyl Ether	2.130	74	111758	47.373	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.325	101	162117	56.875	ug/l	98
10) Methyl Iodide	2.453	142	215931	54.828	ug/l	97
11) Tert butyl alcohol	2.965	59	180553	203.578	ug/l	99
12) 1,1-Dichloroethene	2.319	96	149024	55.089	ug/l	94
13) Acrolein	2.233	56	150865	268.217	ug/l	98
14) Allyl chloride	2.660	41	206458	45.484	ug/l	92
15) Acrylonitrile	3.062	53	434420	232.270	ug/l	99
16) Acetone	2.373	43	421933	301.281	ug/l	95
17) Carbon Disulfide	2.508	76	325004	44.614	ug/l	100
18) Methyl Acetate	2.703	43	186328	45.661	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	531061	47.078	ug/l	98
20) Methylene Chloride	2.788	84	172003	50.510	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	169885	46.178	ug/l	90
22) Diisopropyl ether	3.757	45	461407	44.630	ug/l #	85
23) Vinyl Acetate	3.721	43	2027704	224.497	ug/l	99
24) 1,1-Dichloroethane	3.605	63	287514	47.099	ug/l	99
25) 2-Butanone	4.550	43	609594	224.272	ug/l	98
26) 2,2-Dichloropropane	4.471	77	255977	42.948	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	204824	46.693	ug/l	92
28) Bromochloromethane	4.897	49	119244	45.530	ug/l	84
29) Tetrahydrofuran	5.001	42	370051	208.796	ug/l	99
30) Chloroform	5.092	83	330037	45.019	ug/l	98
31) Cyclohexane	5.470	56	238602	42.671	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	295736	44.549	ug/l	98
36) 1,1-Dichloropropene	5.696	75	226627	46.249	ug/l	96
37) Ethyl Acetate	4.708	43	225700	45.393	ug/l	100
38) Carbon Tetrachloride	5.678	117	262676	47.485	ug/l	98
39) Methylcyclohexane	7.379	83	282092	45.625	ug/l	97
40) Benzene	6.037	78	687902	47.958	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	119867	46.726	ug/l	99
42) 1,2-Dichloroethane	6.086	62	242390	45.523	ug/l	99
43) Isopropyl Acetate	6.336	43	360554	44.556	ug/l	98
44) Trichloroethene	7.123	130	208849	50.210	ug/l	100
45) 1,2-Dichloropropane	7.434	63	165520	47.143	ug/l	98
46) Dibromomethane	7.580	93	132013	47.932	ug/l	99
47) Bromodichloromethane	7.824	83	249469	47.128	ug/l	99
48) Methyl methacrylate	7.690	41	169638	45.660	ug/l	94
49) 1,4-Dioxane	7.659	88	86457	869.886	ug/l	92
51) 4-Methyl-2-Pentanone	8.574	43	1186277	228.445	ug/l	98
52) Toluene	8.720	92	466681	46.831	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	267294	47.512	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	284692	47.125	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	197999	48.902	ug/l	98
56) Ethyl methacrylate	9.116	69	283771	48.349	ug/l #	93
57) 1,3-Dichloropropane	9.311	76	310049	47.444	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	685287	248.854	ug/l	93
59) 2-Hexanone	9.433	43	932111	231.727	ug/l	96
60) Dibromochloromethane	9.525	129	211411	47.896	ug/l	97
61) 1,2-Dibromoethane	9.610	107	213694	48.108	ug/l	99
64) Tetrachloroethene	9.275	164	206453	51.857	ug/l	98
65) Chlorobenzene	10.079	112	532212	48.975	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	203748	50.331	ug/l	97
67) Ethyl Benzene	10.195	91	907421	49.798	ug/l	96
68) m/p-Xylenes	10.305	106	744438	100.379	ug/l	94
69) o-Xylene	10.646	106	364666	49.318	ug/l	95
70) Styrene	10.659	104	614957	51.336	ug/l	98
71) Bromoform	10.799	173	159217	43.150	ug/l	98
73) Isopropylbenzene	10.963	105	950337	49.053	ug/l	99
74) N-amyl acetate	10.848	43	322219	48.119	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	303074	48.207	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	269745m	48.626	ug/l	
77) Bromobenzene	11.201	156	247293	49.011	ug/l	91
78) n-propylbenzene	11.305	91	1086626	50.581	ug/l	97
79) 2-Chlorotoluene	11.366	91	642134	48.078	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	823728	50.088	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	86872	46.538	ug/l	93
82) 4-Chlorotoluene	11.457	91	752246	48.894	ug/l	95
83) tert-Butylbenzene	11.719	119	820994	48.889	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	809173	49.498	ug/l	97
85) sec-Butylbenzene	11.890	105	1005270	49.619	ug/l	97
86) p-Isopropyltoluene	12.012	119	881967	50.461	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	476239	50.232	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	481274	48.347	ug/l	99
89) n-Butylbenzene	12.335	91	726523	50.622	ug/l	98
90) Hexachloroethane	12.542	117	142141	45.371	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	471891	50.104	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	64467	46.108	ug/l	90
93) 1,2,4-Trichlorobenzene	13.591	180	298917	53.362	ug/l	100
94) Hexachlorobutadiene	13.725	225	125577	50.238	ug/l	94
95) Naphthalene	13.774	128	984725	52.770	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	296858	53.989	ug/l	96

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

