

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051722\
 Data File : VX028793.D
 Acq On : 18 May 2022 05:42
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/18/2022
 Supervised By : Mahesh Dadoda 05/18/2022

Quant Time: May 18 07:17:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	228157	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	417727	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	376187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	194026	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	180822	57.817	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 115.640%	
35) Dibromofluoromethane	5.391	113	128962	47.120	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 94.240%	
50) Toluene-d8	8.653	98	503848	48.829	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 97.660%	
62) 4-Bromofluorobenzene	11.085	95	197991	51.372	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 102.740%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.166	85	126270	42.266	ug/l	98
3) Chloromethane	1.288	50	116433	41.384	ug/l	99
4) Vinyl Chloride	1.374	62	128635	42.426	ug/l	99
5) Bromomethane	1.605	94	85401	38.566	ug/l	99
6) Chloroethane	1.678	64	92432	48.322	ug/l	97
7) Trichlorofluoromethane	1.886	101	241472	49.953	ug/l	99
8) Diethyl Ether	2.136	74	84986	48.249	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	107271	42.170	ug/l	97
10) Methyl Iodide	2.453	142	131339	43.126	ug/l	95
11) Tert butyl alcohol	2.989	59	155806	234.242	ug/l	98
12) 1,1-Dichloroethene	2.318	96	103757	43.940	ug/l	98
13) Acrolein	2.233	56	110406	215.073	ug/l	98
14) Allyl chloride	2.666	41	163665	43.215	ug/l	90
15) Acrylonitrile	3.068	53	335679	222.770	ug/l	98
16) Acetone	2.379	43	295482	220.139	ug/l	93
17) Carbon Disulfide	2.514	76	256071	41.834	ug/l	100
18) Methyl Acetate	2.703	43	153703	45.720	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	383883	45.812	ug/l	99
20) Methylene Chloride	2.788	84	119873	42.569	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	113982	42.854	ug/l	97
22) Diisopropyl ether	3.763	45	358547	44.302	ug/l	92
23) Vinyl Acetate	3.721	43	1612629	231.133	ug/l	96
24) 1,1-Dichloroethane	3.611	63	210649	44.771	ug/l	99
25) 2-Butanone	4.556	43	503172	238.822	ug/l	95
26) 2,2-Dichloropropane	4.477	77	145384	39.409	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	155243	49.974	ug/l	98
28) Bromochloromethane	4.897	49	85787	43.317	ug/l	98
29) Tetrahydrofuran	5.007	42	322339	235.368	ug/l	95
30) Chloroform	5.098	83	250176	49.130	ug/l	100
31) Cyclohexane	5.470	56	197076	45.397	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	223680	50.317	ug/l	98
36) 1,1-Dichloropropene	5.696	75	180518	43.914	ug/l	99
37) Ethyl Acetate	4.714	43	200015	46.584	ug/l	97
38) Carbon Tetrachloride	5.678	117	198310	47.936	ug/l	99
39) Methylcyclohexane	7.385	83	223090	47.322	ug/l	95
40) Benzene	6.043	78	560025	47.403	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	105545	45.847	ug/l	93
42) 1,2-Dichloroethane	6.092	62	226381	51.949	ug/l	97
43) Isopropyl Acetate	6.342	43	332395	49.485	ug/l	96
44) Trichloroethene	7.129	130	153300	47.845	ug/l	92
45) 1,2-Dichloropropane	7.433	63	141173	47.894	ug/l	98
46) Dibromomethane	7.586	93	108151	49.131	ug/l	93
47) Bromodichloromethane	7.824	83	211285	51.699	ug/l	99
48) Methyl methacrylate	7.696	41	165633	51.045	ug/l	86
49) 1,4-Dioxane	7.671	88	75760	934.583	ug/l	96
51) 4-Methyl-2-Pentanone	8.573	43	1068636	241.526	ug/l	94
52) Toluene	8.720	92	366071	48.168	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	209772	44.768	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	223864	48.682	ug/l #	86
55) 1,1,2-Trichloroethane	9.153	97	150375	48.524	ug/l	99
56) Ethyl methacrylate	9.116	69	238946	50.916	ug/l #	84
57) 1,3-Dichloropropane	9.311	76	252247	48.259	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	590703	257.097	ug/l	97
59) 2-Hexanone	9.433	43	847998	246.688	ug/l	91
60) Dibromochloromethane	9.525	129	160793	53.202	ug/l	97
61) 1,2-Dibromoethane	9.610	107	162735	49.997	ug/l	99
64) Tetrachloroethene	9.275	164	125470	44.167	ug/l	97
65) Chlorobenzene	10.079	112	392725	49.210	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	149298	52.811	ug/l	99
67) Ethyl Benzene	10.195	91	709046	49.568	ug/l	99
68) m/p-Xylenes	10.305	106	549244	98.624	ug/l	97
69) o-Xylene	10.646	106	271882	49.586	ug/l	97
70) Styrene	10.658	104	454335	51.025	ug/l	96
71) Bromoform	10.805	173	114432	48.888	ug/l	100
73) Isopropylbenzene	10.963	105	716805	48.716	ug/l	98
74) N-amyl acetate	10.847	43	296765	51.308	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.213	83	248539	49.237	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	225307m	49.585	ug/l	
77) Bromobenzene	11.201	156	171082	49.141	ug/l	95
78) n-propylbenzene	11.305	91	818524	48.092	ug/l	100
79) 2-Chlorotoluene	11.366	91	502906	48.209	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	613079	50.005	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	60732	40.657	ug/l #	80
82) 4-Chlorotoluene	11.457	91	584192	48.442	ug/l	99
83) tert-Butylbenzene	11.719	119	612404	51.590	ug/l	95
84) 1,2,4-Trimethylbenzene	11.756	105	609992	49.615	ug/l	99
85) sec-Butylbenzene	11.890	105	725155	49.524	ug/l	100
86) p-Isopropyltoluene	12.012	119	618171	50.311	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	328687	48.133	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	329771	46.558	ug/l	98
89) n-Butylbenzene	12.335	91	516755	48.540	ug/l	98
90) Hexachloroethane	12.542	117	102454	51.563	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	332414	49.553	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	61339	56.910	ug/l	88
93) 1,2,4-Trichlorobenzene	13.591	180	200546	51.761	ug/l	99
94) Hexachlorobutadiene	13.725	225	78420	49.821	ug/l	95
95) Naphthalene	13.780	128	742988	53.889	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	203241	52.228	ug/l	96

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

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