

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060322\
 Data File : VX029206.D
 Acq On : 03 Jun 2022 21:28
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/06/2022
 Supervised By : Mahesh Dadoda 06/06/2022

Quant Time: Jun 06 02:37:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 01 04:45:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	282810	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	485189	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	443121	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	217221	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	177877	55.777	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 111.560%			
35) Dibromofluoromethane	5.391	113	152940	47.457	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 94.920%			
50) Toluene-d8	8.653	98	565910	48.012	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 96.020%			
62) 4-Bromofluorobenzene	11.085	95	213656	46.893	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 93.780%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	135806	55.228	ug/l	100
3) Chloromethane	1.288	50	134232	52.170	ug/l	99
4) Vinyl Chloride	1.374	62	151662	53.601	ug/l	98
5) Bromomethane	1.605	94	65256	50.116	ug/l	97
6) Chloroethane	1.685	64	93490	44.999	ug/l	98
7) Trichlorofluoromethane	1.886	101	229673	52.227	ug/l	98
8) Diethyl Ether	2.136	74	86270	51.187	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	141849	54.387	ug/l	98
10) Methyl Iodide	2.453	142	164128	51.222	ug/l	98
11) Tert butyl alcohol	2.989	59	181592	245.804	ug/l	98
12) 1,1-Dichloroethene	2.319	96	135182	53.034	ug/l	98
13) Acrolein	2.239	56	43561	130.137	ug/l	99
14) Allyl chloride	2.666	41	214958	56.152	ug/l	95
15) Acrylonitrile	3.069	53	454468	298.770	ug/l	100
16) Acetone	2.380	43	362717	288.838	ug/l	96
17) Carbon Disulfide	2.514	76	315779	45.168	ug/l	99
18) Methyl Acetate	2.703	43	205915	63.401	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	483163	55.869	ug/l	98
20) Methylene Chloride	2.788	84	160075	54.674	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	153928	53.528	ug/l	98
22) Diisopropyl ether	3.764	45	445839	58.228	ug/l	93
23) Vinyl Acetate	3.727	43	1887130	295.113	ug/l	99
24) 1,1-Dichloroethane	3.611	63	271530	57.318	ug/l	99
25) 2-Butanone	4.556	43	599473	295.930	ug/l	100
26) 2,2-Dichloropropane	4.477	77	173220	44.570	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	182698	53.274	ug/l	94
28) Bromochloromethane	4.904	49	104701	54.929	ug/l	99
29) Tetrahydrofuran	5.007	42	396039	304.870	ug/l	95
30) Chloroform	5.099	83	291034	55.417	ug/l	98
31) Cyclohexane	5.477	56	235546	56.813	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	250454	52.665	ug/l	98
36) 1,1-Dichloropropene	5.696	75	209279	50.469	ug/l	99
37) Ethyl Acetate	4.715	43	219097	54.518	ug/l	98
38) Carbon Tetrachloride	5.684	117	216190	45.620	ug/l	99
39) Methylcyclohexane	7.385	83	254226	49.595	ug/l	98
40) Benzene	6.038	78	629320	51.240	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	122545	56.456	ug/l	96
42) 1,2-Dichloroethane	6.092	62	215430	51.724	ug/l	97
43) Isopropyl Acetate	6.342	43	327461	52.084	ug/l	99
44) Trichloroethene	7.129	130	172716	47.400	ug/l	92
45) 1,2-Dichloropropane	7.434	63	159099	53.754	ug/l	95
46) Dibromomethane	7.586	93	114818	49.797	ug/l	94
47) Bromodichloromethane	7.824	83	221022	48.626	ug/l	97
48) Methyl methacrylate	7.696	41	165938	54.259	ug/l	94
49) 1,4-Dioxane	7.677	88	87595	936.018	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	1134024	271.187	ug/l	98
52) Toluene	8.720	92	412204	50.244	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	218380	46.747	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	247990	48.518	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	168525	49.367	ug/l	98
56) Ethyl methacrylate	9.116	69	251160	51.832	ug/l	95
57) 1,3-Dichloropropane	9.311	76	277384	50.978	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	601805	262.084	ug/l	96
59) 2-Hexanone	9.433	43	868219	266.786	ug/l	97
60) Dibromochloromethane	9.525	129	169581	43.647	ug/l	97
61) 1,2-Dibromoethane	9.610	107	179194	48.533	ug/l	99
64) Tetrachloroethene	9.275	164	150441	45.090	ug/l	93
65) Chlorobenzene	10.079	112	432998	47.566	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	162295	46.251	ug/l	97
67) Ethyl Benzene	10.195	91	775163	50.679	ug/l	99
68) m/p-Xylenes	10.305	106	607680	98.928	ug/l	99
69) o-Xylene	10.646	106	298416	49.156	ug/l	99
70) Styrene	10.659	104	503940	49.879	ug/l	99
71) Bromoform	10.799	173	117505	38.787	ug/l #	99
73) Isopropylbenzene	10.963	105	782728	53.621	ug/l	99
74) N-amyl acetate	10.848	43	264724	56.006	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	262333	53.309	ug/l	100
76) 1,2,3-Trichloropropane	11.244	75	237270m	53.883	ug/l	
77) Bromobenzene	11.201	156	182818	46.957	ug/l	96
78) n-propylbenzene	11.305	91	890455	54.847	ug/l	100
79) 2-Chlorotoluene	11.366	91	543992	53.009	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	665382	53.244	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	67207	44.777	ug/l	92
82) 4-Chlorotoluene	11.457	91	617792	52.590	ug/l	100
83) tert-Butylbenzene	11.713	119	651631	51.017	ug/l	95
84) 1,2,4-Trimethylbenzene	11.756	105	663319	53.176	ug/l	99
85) sec-Butylbenzene	11.890	105	802635	53.525	ug/l	100
86) p-Isopropyltoluene	12.012	119	674265	51.430	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	342836	46.722	ug/l	96
88) 1,4-Dichlorobenzene	12.043	146	351875	46.536	ug/l	97
89) n-Butylbenzene	12.335	91	567086	53.303	ug/l	100
90) Hexachloroethane	12.542	117	108521	45.526	ug/l	89
91) 1,2-Dichlorobenzene	12.335	146	345383	47.783	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	58080	52.861	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	212920	47.236	ug/l	98
94) Hexachlorobutadiene	13.725	225	83963	44.557	ug/l	95
95) Naphthalene	13.780	128	792334	54.969	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	214128	48.105	ug/l	96

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

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