

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032222\
 Data File : VX027630.D
 Acq On : 22 Mar 2022 21:24
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/24/2022
 Supervised By : Mahesh Dadoda 03/24/2022

Quant Time: Mar 23 01:52:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 15:02:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	284558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	473101	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	415788	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	209963	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	168878	48.176	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.360%		
35) Dibromofluoromethane	5.391	113	174004	57.166	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	114.340%		
50) Toluene-d8	8.653	98	637198	55.321	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	110.640%		
62) 4-Bromofluorobenzene	11.085	95	232021	54.805	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	109.600%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	133488	48.872	ug/l	99
3) Chloromethane	1.295	50	114756	47.329	ug/l	99
4) Vinyl Chloride	1.374	62	140717	50.229	ug/l	98
5) Bromomethane	1.593	94	47301	30.916	ug/l	99
6) Chloroethane	1.673	64	85110	49.507	ug/l	99
7) Trichlorofluoromethane	1.880	101	211985	45.838	ug/l	97
8) Diethyl Ether	2.136	74	85069	49.383	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.325	101	135796	49.310	ug/l	94
10) Methyl Iodide	2.447	142	111028	30.457	ug/l	99
11) Tert butyl alcohol	2.977	59	157629	235.945	ug/l	99
12) 1,1-Dichloroethene	2.313	96	132365	50.094	ug/l	93
13) Acrolein	2.240	56	129924	250.611	ug/l	97
14) Allyl chloride	2.660	41	198527	48.014	ug/l	97
15) Acrylonitrile	3.069	53	409891	269.871	ug/l	99
16) Acetone	2.386	43	327818	229.427	ug/l	98
17) Carbon Disulfide	2.508	76	305353	45.416	ug/l	100
18) Methyl Acetate	2.709	43	180299	52.651	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	453752	50.897	ug/l	98
20) Methylene Chloride	2.788	84	149366	48.620	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	142550	50.575	ug/l	96
22) Diisopropyl ether	3.764	45	423891	52.496	ug/l #	89
23) Vinyl Acetate	3.727	43	1827722	260.280	ug/l	97
24) 1,1-Dichloroethane	3.611	63	253281	51.573	ug/l	98
25) 2-Butanone	4.562	43	550734	256.186	ug/l	99
26) 2,2-Dichloropropane	4.477	77	154814	38.603	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	170747	52.237	ug/l	94
28) Bromochloromethane	4.898	49	99712	50.332	ug/l	89
29) Tetrahydrofuran	5.007	42	359395	260.606	ug/l	96
30) Chloroform	5.099	83	274438	50.659	ug/l	100
31) Cyclohexane	5.471	56	194146	44.601	ug/l	100
32) 1,1,1-Trichloroethane	5.385	97	234824	47.609	ug/l	98
36) 1,1-Dichloropropene	5.696	75	177361	42.639	ug/l	96
37) Ethyl Acetate	4.721	43	210144	50.700	ug/l	99
38) Carbon Tetrachloride	5.678	117	191825	40.310	ug/l	100
39) Methylcyclohexane	7.385	83	237634	45.430	ug/l	99
40) Benzene	6.044	78	573751	48.078	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	112871	49.932	ug/l	97
42) 1,2-Dichloroethane	6.092	62	180587	40.378	ug/l	97
43) Isopropyl Acetate	6.349	43	285835	42.849	ug/l	99
44) Trichloroethene	7.129	130	170767	47.139	ug/l	98
45) 1,2-Dichloropropane	7.434	63	149107	49.055	ug/l	98
46) Dibromomethane	7.586	93	110278	47.494	ug/l	98
47) Bromodichloromethane	7.824	83	207009	47.348	ug/l	100
48) Methyl methacrylate	7.696	41	162140	49.114	ug/l	93
49) 1,4-Dioxane	7.665	88	79295	935.176	ug/l	97
51) 4-Methyl-2-Pentanone	8.580	43	1071148	251.546	ug/l	96
52) Toluene	8.720	92	388322	48.559	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	203643	45.382	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	230556	47.210	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	163158	50.109	ug/l	99
56) Ethyl methacrylate	9.116	69	238332	48.922	ug/l	92
57) 1,3-Dichloropropane	9.311	76	260603	49.300	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	665633	270.000	ug/l	98
59) 2-Hexanone	9.433	43	827421	252.289	ug/l	93
60) Dibromochloromethane	9.525	129	171144	47.748	ug/l	96
61) 1,2-Dibromoethane	9.610	107	172719	48.263	ug/l	98
64) Tetrachloroethene	9.275	164	160111	49.527	ug/l	97
65) Chlorobenzene	10.080	112	420953	49.216	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	158406	49.639	ug/l	99
67) Ethyl Benzene	10.195	91	730199	49.877	ug/l	96
68) m/p-Xylenes	10.305	106	581533	100.883	ug/l	99
69) o-Xylene	10.647	106	287084	51.293	ug/l	99
70) Styrene	10.659	104	474757	51.926	ug/l	99
71) Bromoform	10.805	173	123016	48.252	ug/l #	100
73) Isopropylbenzene	10.964	105	739183	48.334	ug/l	100
74) N-amyl acetate	10.848	43	262205	48.353	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	243327	50.229	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	219431m	49.965	ug/l	
77) Bromobenzene	11.201	156	189844	49.249	ug/l	93
78) n-propylbenzene	11.305	91	823310	49.041	ug/l	97
79) 2-Chlorotoluene	11.366	91	503188	47.781	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	633188	49.193	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	59861	41.396	ug/l	87
82) 4-Chlorotoluene	11.457	91	575896	48.029	ug/l	97
83) tert-Butylbenzene	11.720	119	623961	48.934	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	636048	49.550	ug/l	100
85) sec-Butylbenzene	11.890	105	760991	49.387	ug/l	99
86) p-Isopropyltoluene	12.012	119	650643	49.160	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	348393	48.780	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	352735	48.809	ug/l	99
89) n-Butylbenzene	12.335	91	533839	48.333	ug/l	97
90) Hexachloroethane	12.543	117	95083	45.049	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	350154	50.210	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	54453	49.010	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	217421	48.642	ug/l	98
94) Hexachlorobutadiene	13.725	225	91675	46.430	ug/l	94
95) Naphthalene	13.780	128	748645	51.450	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	220386	48.741	ug/l	96

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

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