

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033022\
 Data File : VX027834.D
 Acq On : 31 Mar 2022 05:54
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/31/2022
 Supervised By : Mahesh Dadoda 03/31/2022

Quant Time: Mar 31 07:33:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 04:39:27 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	58330	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	106127	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	89729	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	42413	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	47101	62.583	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 125.160%			
35) Dibromofluoromethane	5.385	113	34817	50.826	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.660%			
50) Toluene-d8	8.647	98	105926	43.949	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 87.900%			
62) 4-Bromofluorobenzene	11.079	95	45683	44.601	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 89.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	22513	42.594	ug/l	99
3) Chloromethane	1.294	50	25508	54.613	ug/l	99
4) Vinyl Chloride	1.374	62	23965	50.030	ug/l	100
5) Bromomethane	1.599	94	11263	52.145	ug/l	99
6) Chloroethane	1.678	64	16076	49.786	ug/l	99
7) Trichlorofluoromethane	1.880	101	37298	44.387	ug/l	98
8) Diethyl Ether	2.129	74	19287	63.945	ug/l	86
9) 1,1,2-Trichlorotrifluo...	2.325	101	23326	42.707	ug/l	97
10) Methyl Iodide	2.453	142	37270	58.759	ug/l	90
11) Tert butyl alcohol	2.965	59	47467	328.336	ug/l	100
12) 1,1-Dichloroethene	2.318	96	23230	46.355	ug/l	94
13) Acrolein	2.233	56	36549	337.553	ug/l	100
14) Allyl chloride	2.660	41	51967	56.482	ug/l #	91
15) Acrylonitrile	3.062	53	111482	328.413	ug/l	99
16) Acetone	2.379	43	105436	316.547	ug/l	89
17) Carbon Disulfide	2.507	76	46226	45.092	ug/l	100
18) Methyl Acetate	2.703	43	51219	62.380	ug/l	89
19) Methyl tert-butyl Ether	3.111	73	124291	65.097	ug/l	98
20) Methylene Chloride	2.788	84	35368	59.034	ug/l	91
21) trans-1,2-Dichloroethene	3.087	96	28891	53.115	ug/l	97
22) Diisopropyl ether	3.757	45	114897	62.313	ug/l #	85
23) Vinyl Acetate	3.721	43	504115	316.445	ug/l	95
24) 1,1-Dichloroethane	3.605	63	58828	56.711	ug/l	98
25) 2-Butanone	4.550	43	156431	322.764	ug/l	92
26) 2,2-Dichloropropane	4.471	77	34426	41.552	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	38453	58.627	ug/l	99
28) Bromochloromethane	4.891	49	27902	62.534	ug/l	93
29) Tetrahydrofuran	5.001	42	102328	328.687	ug/l	87
30) Chloroform	5.086	83	71851	62.309	ug/l	98
31) Cyclohexane	5.464	56	34656	41.656	ug/l	92
32) 1,1,1-Trichloroethane	5.385	97	54568	54.705	ug/l	98
36) 1,1-Dichloropropene	5.690	75	37981	44.021	ug/l	99
37) Ethyl Acetate	4.708	43	60170	56.255	ug/l	95
38) Carbon Tetrachloride	5.672	117	44672	46.864	ug/l	98
39) Methylcyclohexane	7.379	83	34517	33.997	ug/l #	88
40) Benzene	6.037	78	127995	48.953	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	32680	57.442	ug/l	91
42) 1,2-Dichloroethane	6.080	62	51348	49.147	ug/l	97
43) Isopropyl Acetate	6.336	43	85283	49.780	ug/l	95
44) Trichloroethene	7.122	130	34631	48.737	ug/l	94
45) 1,2-Dichloropropane	7.427	63	37128	52.857	ug/l	100
46) Dibromomethane	7.580	93	28308	53.548	ug/l	88
47) Bromodichloromethane	7.817	83	57745	54.845	ug/l	100
48) Methyl methacrylate	7.689	41	51035	56.803	ug/l #	79
49) 1,4-Dioxane	7.659	88	20290	1144.015	ug/l #	90
51) 4-Methyl-2-Pentanone	8.573	43	327387	275.475	ug/l	88
52) Toluene	8.714	92	78335	47.564	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	54769	51.904	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	57608	51.846	ug/l #	81
55) 1,1,2-Trichloroethane	9.153	97	38660	52.924	ug/l	94
56) Ethyl methacrylate	9.116	69	63229	54.653	ug/l #	74
57) 1,3-Dichloropropane	9.305	76	64820	52.730	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	165635	286.766	ug/l	96
59) 2-Hexanone	9.427	43	251401	274.730	ug/l	83
60) Dibromochloromethane	9.518	129	40764	53.820	ug/l	98
61) 1,2-Dibromoethane	9.610	107	39941	52.328	ug/l	99
64) Tetrachloroethene	9.275	164	27583	45.338	ug/l	95
65) Chlorobenzene	10.079	112	88315	49.980	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	35840	54.052	ug/l	99
67) Ethyl Benzene	10.195	91	153522	47.879	ug/l	97
68) m/p-Xylenes	10.299	106	109043	92.463	ug/l	85
69) o-Xylene	10.640	106	57256	49.706	ug/l	87
70) Styrene	10.658	104	100702	51.435	ug/l #	92
71) Bromoform	10.799	173	29123	54.580	ug/l #	100
73) Isopropylbenzene	10.963	105	145179	45.973	ug/l	97
74) N-amyl acetate	10.841	43	82863	58.254	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	11.213	83	61642	57.484	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	58240m	58.536	ug/l	
77) Bromobenzene	11.201	156	37310	51.822	ug/l	85
78) n-propylbenzene	11.305	91	168739	44.726	ug/l	98
79) 2-Chlorotoluene	11.366	91	112643	47.510	ug/l	94
80) 1,3,5-Trimethylbenzene	11.451	105	126666	46.226	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	16273	49.231	ug/l #	77
82) 4-Chlorotoluene	11.457	91	131765	48.429	ug/l	95
83) tert-Butylbenzene	11.719	119	120922	45.636	ug/l	88
84) 1,2,4-Trimethylbenzene	11.756	105	131542	48.145	ug/l	95
85) sec-Butylbenzene	11.890	105	142461	43.567	ug/l	98
86) p-Isopropyltoluene	12.012	119	122364	44.988	ug/l	94
87) 1,3-Dichlorobenzene	11.969	146	68842	48.575	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	70067	47.992	ug/l	96
89) n-Butylbenzene	12.335	91	107465	43.941	ug/l	95
90) Hexachloroethane	12.542	117	20471	46.866	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	70041	50.033	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	14830	57.449	ug/l	76
93) 1,2,4-Trichlorobenzene	13.591	180	41631	48.629	ug/l	98
94) Hexachlorobutadiene	13.725	225	15595	41.369	ug/l	96
95) Naphthalene	13.780	128	162904	54.499	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	42859	51.103	ug/l	96

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

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