

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032922\
 Data File : VX027779.D
 Acq On : 29 Mar 2022 17:11
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/30/2022
 Supervised By : Mahesh Dadoda 03/30/2022

Quant Time: Mar 29 18:02:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 29 17:59:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	74975	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	117793	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	107598	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	51683	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	49278	40.715	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	81.440%		
35) Dibromofluoromethane	5.391	113	37475	47.482	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.960%		
50) Toluene-d8	8.653	98	134059	44.725	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	89.460%		
62) 4-Bromofluorobenzene	11.085	95	57906	47.071	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.140%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	38990	46.362	ug/l	100
3) Chloromethane	1.294	50	31005	36.046	ug/l	99
4) Vinyl Chloride	1.374	62	32736	39.456	ug/l	99
5) Bromomethane	1.599	94	13323	39.231	ug/l	99
6) Chloroethane	1.678	64	20392	37.898	ug/l	98
7) Trichlorofluoromethane	1.886	101	56408	44.716	ug/l	97
8) Diethyl Ether	2.136	74	20236	44.552	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.331	101	36135	42.855	ug/l	95
10) Methyl Iodide	2.453	142	43282	51.959	ug/l #	89
11) Tert butyl alcohol	2.965	59	49545	223.795	ug/l	100
12) 1,1-Dichloroethene	2.319	96	31486	40.623	ug/l	95
13) Acrolein	2.233	56	36702	229.422	ug/l	95
14) Allyl chloride	2.666	41	59743	41.241	ug/l #	92
15) Acrylonitrile	3.062	53	117358	216.092	ug/l	99
16) Acetone	2.380	43	109982	212.934	ug/l	89
17) Carbon Disulfide	2.514	76	62850	31.239	ug/l	99
18) Methyl Acetate	2.703	43	53733	41.942	ug/l	91
19) Methyl tert-butyl Ether	3.111	73	129002	45.094	ug/l	97
20) Methylene Chloride	2.788	84	38267	42.306	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	34349	39.734	ug/l	91
22) Diisopropyl ether	3.763	45	111308	38.518	ug/l #	90
23) Vinyl Acetate	3.727	43	489426	194.712	ug/l	96
24) 1,1-Dichloroethane	3.611	63	63213	38.764	ug/l	100
25) 2-Butanone	4.556	43	146991	183.048	ug/l	94
26) 2,2-Dichloropropane	4.483	77	51526	40.527	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	43070	44.376	ug/l	96
28) Bromochloromethane	4.897	49	27046	41.098	ug/l	95
29) Tetrahydrofuran	5.007	42	95153	197.203	ug/l	90
30) Chloroform	5.099	83	72221	43.005	ug/l	95
31) Cyclohexane	5.477	56	52635	36.928	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	63163	42.294	ug/l	99
36) 1,1-Dichloropropene	5.690	75	48994	40.804	ug/l	98
37) Ethyl Acetate	4.715	43	55394	40.253	ug/l	99
38) Carbon Tetrachloride	5.684	117	55873	46.713	ug/l	99
39) Methylcyclohexane	7.385	83	57700	42.184	ug/l	90
40) Benzene	6.037	78	153706	46.132	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	31412	43.448	ug/l	94
42) 1,2-Dichloroethane	6.092	62	65164	46.212	ug/l	93
43) Isopropyl Acetate	6.342	43	110297	51.645	ug/l #	90
44) Trichloroethene	7.129	130	40081	45.836	ug/l	88
45) 1,2-Dichloropropane	7.434	63	41694	47.391	ug/l	98
46) Dibromomethane	7.586	93	31093	49.201	ug/l #	88
47) Bromodichloromethane	7.824	83	62185	50.181	ug/l	94
48) Methyl methacrylate	7.696	41	55261	52.487	ug/l #	79
49) 1,4-Dioxane	7.659	88	21632	953.466	ug/l #	87
51) 4-Methyl-2-Pentanone	8.574	43	362879	247.762	ug/l	88
52) Toluene	8.720	92	96451	46.121	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	64008	52.132	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	67124	49.412	ug/l #	77
55) 1,1,2-Trichloroethane	9.153	97	42263	49.181	ug/l	96
56) Ethyl methacrylate	9.116	69	70671	50.696	ug/l #	72
57) 1,3-Dichloropropane	9.311	76	72595	47.241	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	177743	249.967	ug/l	95
59) 2-Hexanone	9.433	43	280900	244.961	ug/l	83
60) Dibromochloromethane	9.525	129	45257	53.874	ug/l	96
61) 1,2-Dibromoethane	9.610	107	44987	49.003	ug/l	98
64) Tetrachloroethene	9.275	164	37269	45.971	ug/l	94
65) Chlorobenzene	10.079	112	107403	47.337	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	41787	52.694	ug/l	99
67) Ethyl Benzene	10.195	91	201416	47.894	ug/l	99
68) m/p-Xylenes	10.305	106	147809	96.843	ug/l	90
69) o-Xylene	10.640	106	73330	47.693	ug/l	88
70) Styrene	10.659	104	124204	50.708	ug/l #	92
71) Bromoform	10.805	173	31267	54.309	ug/l #	99
73) Isopropylbenzene	10.963	105	197923	47.155	ug/l	98
74) N-amyl acetate	10.841	43	94800	47.182	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	11.213	83	68404	46.100	ug/l	100
76) 1,2,3-Trichloropropane	11.244	75	65619m	46.238	ug/l	
77) Bromobenzene	11.201	156	46096	48.819	ug/l	84
78) n-propylbenzene	11.305	91	234973	47.227	ug/l	98
79) 2-Chlorotoluene	11.366	91	145319	46.179	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	172318	47.634	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	20422	48.917	ug/l #	79
82) 4-Chlorotoluene	11.457	91	170194	46.957	ug/l	95
83) tert-Butylbenzene	11.719	119	164504	49.203	ug/l	86
84) 1,2,4-Trimethylbenzene	11.756	105	172567	47.044	ug/l	95
85) sec-Butylbenzene	11.890	105	208135	47.746	ug/l	98
86) p-Isopropyltoluene	12.012	119	175016	50.765	ug/l	94
87) 1,3-Dichlorobenzene	11.969	146	86680	49.260	ug/l	96
88) 1,4-Dichlorobenzene	12.042	146	87912	48.179	ug/l	96
89) n-Butylbenzene	12.335	91	157867	48.494	ug/l	96
90) Hexachloroethane	12.542	117	27435	49.829	ug/l	90
91) 1,2-Dichlorobenzene	12.335	146	85411	50.080	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	17017	46.564	ug/l	76
93) 1,2,4-Trichlorobenzene	13.591	180	52066	52.338	ug/l	97
94) Hexachlorobutadiene	13.725	225	23486	48.638	ug/l	95
95) Naphthalene	13.780	128	192013	52.318	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	53305	53.154	ug/l	93

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

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