

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080322\
 Data File : VX030361.D
 Acq On : 03 Aug 2022 11:14
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/04/2022
 Supervised By : Mahesh Dadoda 08/04/2022

Quant Time: Aug 03 15:50:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 25 16:49:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	92906	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	158234	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	161681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	111602	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	100879	54.022	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.040%			
35) Dibromofluoromethane	5.391	113	76312	50.450	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.900%			
50) Toluene-d8	8.653	98	276020	47.119	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.240%			
62) 4-Bromofluorobenzene	11.085	95	110877	51.001	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.000%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	81533	53.482	ug/l	96
3) Chloromethane	1.288	50	64102	42.521	ug/l	99
4) Vinyl Chloride	1.374	62	74479	48.949	ug/l	97
5) Bromomethane	1.599	94	35567	68.814	ug/l	99
6) Chloroethane	1.672	64	47639	54.528	ug/l	100
7) Trichlorofluoromethane	1.880	101	124662	62.186	ug/l	98
8) Diethyl Ether	2.136	74	44613	56.831	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.325	101	77514	52.205	ug/l	98
10) Methyl Iodide	2.447	142	63896	44.334	ug/l	# 90
11) Tert butyl alcohol	2.989	59	141745	311.185	ug/l	100
12) 1,1-Dichloroethene	2.313	96	68111	46.930	ug/l	87
13) Acrolein	2.239	56	21458	191.665	ug/l	99
14) Allyl chloride	2.660	41	145832	48.694	ug/l	94
15) Acrylonitrile	3.069	53	269282	239.226	ug/l	96
16) Acetone	2.386	43	253784	265.455	ug/l	90
17) Carbon Disulfide	2.508	76	162793	41.553	ug/l	98
18) Methyl Acetate	2.709	43	143763	50.839	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	282205	56.765	ug/l	95
20) Methylene Chloride	2.788	84	81958	50.015	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	76047	47.472	ug/l	91
22) Diisopropyl ether	3.764	45	304221	53.688	ug/l	95
23) Vinyl Acetate	3.727	43	1339179	272.446	ug/l	97
24) 1,1-Dichloroethane	3.611	63	153698	51.045	ug/l	100
25) 2-Butanone	4.562	43	414661	258.106	ug/l	94
26) 2,2-Dichloropropane	4.477	77	138754	63.728	ug/l	92
27) cis-1,2-Dichloroethene	4.489	96	92429	49.066	ug/l	90
28) Bromochloromethane	4.898	49	67207	52.833	ug/l	98
29) Tetrahydrofuran	5.013	42	265782	245.878	ug/l	95
30) Chloroform	5.093	83	163508	54.845	ug/l	98
31) Cyclohexane	5.471	56	126786	46.763	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	141928	58.567	ug/l	99
36) 1,1-Dichloropropene	5.690	75	111738	51.330	ug/l	95
37) Ethyl Acetate	4.715	43	156034	50.616	ug/l	96
38) Carbon Tetrachloride	5.678	117	122234	60.148	ug/l	98
39) Methylcyclohexane	7.379	83	131763	46.893	ug/l	96
40) Benzene	6.038	78	331096	48.342	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	85035	51.460	ug/l	94
42) 1,2-Dichloroethane	6.092	62	135537	57.270	ug/l	93
43) Isopropyl Acetate	6.342	43	247726	54.818	ug/l	95
44) Trichloroethene	7.123	130	91310	48.791	ug/l	95
45) 1,2-Dichloropropane	7.434	63	90844	49.730	ug/l	99
46) Dibromomethane	7.580	93	64469	51.896	ug/l	93
47) Bromodichloromethane	7.824	83	132714	58.767	ug/l	99
48) Methyl methacrylate	7.696	41	121842	54.778	ug/l	92
49) 1,4-Dioxane	7.671	88	49519	963.899	ug/l #	93
51) 4-Methyl-2-Pentanone	8.580	43	835525	272.342	ug/l	96
52) Toluene	8.720	92	209751	50.196	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	144457	59.341	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	147151	55.470	ug/l #	90
55) 1,1,2-Trichloroethane	9.153	97	90640	50.946	ug/l	96
56) Ethyl methacrylate	9.116	69	153991	54.751	ug/l	91
57) 1,3-Dichloropropane	9.311	76	150592	51.278	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	397201	284.558	ug/l	97
59) 2-Hexanone	9.433	43	664685	274.616	ug/l	94
60) Dibromochloromethane	9.525	129	100556	61.055	ug/l	100
61) 1,2-Dibromoethane	9.610	107	98019	52.762	ug/l	97
64) Tetrachloroethene	9.275	164	89167	51.227	ug/l	97
65) Chlorobenzene	10.079	112	227426	51.783	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.165	131	87985	58.932	ug/l	99
67) Ethyl Benzene	10.195	91	425550	50.514	ug/l	97
68) m/p-Xylenes	10.305	106	318354	107.002	ug/l	89
69) o-Xylene	10.646	106	156480	53.363	ug/l	88
70) Styrene	10.659	104	271615	56.379	ug/l	94
71) Bromoform	10.799	173	71523	65.162	ug/l #	98
73) Isopropylbenzene	10.963	105	427288	49.044	ug/l	98
74) N-amyl acetate	10.848	43	230443	54.422	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	148950	46.709	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	150885m	51.291	ug/l	
77) Bromobenzene	11.201	156	97444	47.652	ug/l	94
78) n-propylbenzene	11.305	91	523016	50.297	ug/l	99
79) 2-Chlorotoluene	11.366	91	311165	47.386	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	373263	51.165	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	51340	52.355	ug/l	88
82) 4-Chlorotoluene	11.457	91	368789	51.402	ug/l	96
83) tert-Butylbenzene	11.713	119	351690	52.011	ug/l	92
84) 1,2,4-Trimethylbenzene	11.756	105	382753	52.589	ug/l	95
85) sec-Butylbenzene	11.890	105	479055	51.762	ug/l	98
86) p-Isopropyltoluene	12.012	119	414577	55.991	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	203369	51.137	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	210312	51.949	ug/l	97
89) n-Butylbenzene	12.335	91	402694	58.416	ug/l	99
90) Hexachloroethane	12.542	117	76633	60.111	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	209041	53.552	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	48498	63.410	ug/l	81
93) 1,2,4-Trichlorobenzene	13.591	180	129253	57.098	ug/l	96
94) Hexachlorobutadiene	13.725	225	53263	58.599	ug/l	98
95) Naphthalene	13.780	128	509955	57.672	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	135855	58.518	ug/l	99

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

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