

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060722\
 Data File : VX029311.D
 Acq On : 08 Jun 2022 06:09
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/08/2022
 Supervised By : Mahesh Dadoda 06/08/2022

Quant Time: Jun 08 09:23:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 08 03:00:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	183556	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	309412	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	329725	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	206245	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	146344	52.462	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.920%			
35) Dibromofluoromethane	5.385	113	124254	47.237	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 94.480%			
50) Toluene-d8	8.653	98	437733	47.052	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 94.100%			
62) 4-Bromofluorobenzene	11.085	95	178018	48.897	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 97.800%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	148514	50.968	ug/l	98
3) Chloromethane	1.288	50	155928	50.140	ug/l	99
4) Vinyl Chloride	1.374	62	166737	51.661	ug/l	97
5) Bromomethane	1.611	94	90264	52.214	ug/l	98
6) Chloroethane	1.685	64	70156	50.871	ug/l	99
7) Trichlorofluoromethane	1.886	101	240959	51.231	ug/l	100
8) Diethyl Ether	2.136	74	92968	50.713	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	141953	50.074	ug/l	97
10) Methyl Iodide	2.453	142	165288	47.316	ug/l	96
11) Tert butyl alcohol	3.001	59	197586	262.637	ug/l	# 85
12) 1,1-Dichloroethene	2.319	96	139080	50.404	ug/l	99
13) Acrolein	2.239	56	73342	216.364	ug/l	100
14) Allyl chloride	2.666	41	217661	49.141	ug/l	96
15) Acrylonitrile	3.069	53	433667	248.323	ug/l	100
16) Acetone	2.392	43	364600	245.537	ug/l	95
17) Carbon Disulfide	2.514	76	341647	50.302	ug/l	100
18) Methyl Acetate	2.709	43	192316	48.885	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	494777	51.944	ug/l	99
20) Methylene Chloride	2.788	84	158622	47.834	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	155851	50.324	ug/l	98
22) Diisopropyl ether	3.764	45	479387	53.617	ug/l	91
23) Vinyl Acetate	3.727	43	2020823	272.634	ug/l	97
24) 1,1-Dichloroethane	3.611	63	275923	51.166	ug/l	100
25) 2-Butanone	4.562	43	588150	250.391	ug/l	98
26) 2,2-Dichloropropane	4.477	77	144514	37.588	ug/l	97
27) cis-1,2-Dichloroethene	4.495	96	181189	49.460	ug/l	94
28) Bromochloromethane	4.904	49	109308	51.562	ug/l	96
29) Tetrahydrofuran	5.013	42	393656	257.150	ug/l	93
30) Chloroform	5.099	83	295459	50.772	ug/l	96
31) Cyclohexane	5.471	56	255637	51.374	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	257985	51.456	ug/l	99
36) 1,1-Dichloropropene	5.696	75	216938	49.925	ug/l	99
37) Ethyl Acetate	4.721	43	228263	50.890	ug/l	98
38) Carbon Tetrachloride	5.684	117	222296	50.053	ug/l	100
39) Methylcyclohexane	7.385	83	266621	49.816	ug/l	95
40) Benzene	6.038	78	644072	49.789	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	126096	52.912	ug/l	93
42) 1,2-Dichloroethane	6.092	62	225258	50.131	ug/l	100
43) Isopropyl Acetate	6.342	43	348713	51.750	ug/l	97
44) Trichloroethene	7.129	130	170225	48.333	ug/l	93
45) 1,2-Dichloropropane	7.434	63	160983	50.618	ug/l	99
46) Dibromomethane	7.580	93	114343	49.630	ug/l	93
47) Bromodichloromethane	7.824	83	223085	51.302	ug/l	100
48) Methyl methacrylate	7.696	41	173387	51.159	ug/l	93
49) 1,4-Dioxane	7.696	88	86877	996.530	ug/l	98
51) 4-Methyl-2-Pentanone	8.580	43	1150010	260.772	ug/l	97
52) Toluene	8.720	92	421515	50.761	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	224528	47.554	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	246217	50.435	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	169274	50.394	ug/l	97
56) Ethyl methacrylate	9.116	69	263413	53.903	ug/l	93
57) 1,3-Dichloropropane	9.311	76	284702	50.283	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	629596	265.202	ug/l	99
59) 2-Hexanone	9.433	43	879975	262.446	ug/l	95
60) Dibromochloromethane	9.525	129	168243	51.772	ug/l	97
61) 1,2-Dibromoethane	9.610	107	180879	50.486	ug/l	98
64) Tetrachloroethene	9.275	164	139018	44.456	ug/l	95
65) Chlorobenzene	10.079	112	442713	48.704	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	162306	51.299	ug/l	99
67) Ethyl Benzene	10.195	91	810680	50.748	ug/l	98
68) m/p-Xylenes	10.305	106	632570	102.349	ug/l	99
69) o-Xylene	10.646	106	310082	51.630	ug/l	100
70) Styrene	10.659	104	521292	52.008	ug/l	98
71) Bromoform	10.799	173	114658	51.026	ug/l #	99
73) Isopropylbenzene	10.963	105	802222	49.408	ug/l	99
74) N-amyl acetate	10.842	43	296392	53.922	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	266041	48.550	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	233846m	48.543	ug/l	
77) Bromobenzene	11.201	156	183296	48.078	ug/l	94
78) n-propylbenzene	11.305	91	926068	50.263	ug/l	100
79) 2-Chlorotoluene	11.366	91	562604	49.585	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	684771	49.668	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	65678	42.735	ug/l	92
82) 4-Chlorotoluene	11.457	91	647131	49.412	ug/l	99
83) tert-Butylbenzene	11.719	119	676038	50.536	ug/l	96
84) 1,2,4-Trimethylbenzene	11.756	105	689582	50.674	ug/l	99
85) sec-Butylbenzene	11.890	105	826671	50.324	ug/l	100
86) p-Isopropyltoluene	12.012	119	691039	50.180	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	352424	48.436	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	354089	47.850	ug/l	98
89) n-Butylbenzene	12.335	91	587085	50.565	ug/l	100
90) Hexachloroethane	12.542	117	109660	50.087	ug/l	87
91) 1,2-Dichlorobenzene	12.335	146	346923	48.087	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	54734	48.025	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	205595	48.282	ug/l	98
94) Hexachlorobutadiene	13.725	225	79090	44.676	ug/l	97
95) Naphthalene	13.774	128	754633	50.213	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	204872	48.250	ug/l	95

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

