

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092822\
 Data File : VX031760.D
 Acq On : 29 Sep 2022 05:16
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/29/2022
 Supervised By : Mahesh Dadoda 09/30/2022

Quant Time: Sep 29 06:26:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 27 01:44:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	70871	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	111135	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	129709	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	107025	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	71223	47.350	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.700%		
35) Dibromofluoromethane	5.385	113	64904	49.014	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.020%		
50) Toluene-d8	8.647	98	237271	49.424	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.840%		
62) 4-Bromofluorobenzene	11.079	95	92377	52.500	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	45394	52.630	ug/l	98
3) Chloromethane	1.288	50	40327	53.158	ug/l	99
4) Vinyl Chloride	1.368	62	53820	45.342	ug/l	99
5) Bromomethane	1.611	94	44708	40.936	ug/l	97
6) Chloroethane	1.685	64	58457	41.182	ug/l	98
7) Trichlorofluoromethane	1.886	101	126207	43.121	ug/l	100
8) Diethyl Ether	2.130	74	42143	50.657	ug/l	76
9) 1,1,2-Trichlorotrifluo...	2.325	101	51596	54.769	ug/l	93
10) Methyl Iodide	2.447	142	39852	43.158	ug/l	99
11) Tert butyl alcohol	3.001	59	51437	268.351	ug/l	99
12) 1,1-Dichloroethene	2.319	96	45493	63.642	ug/l	85
13) Acrolein	2.239	56	24035	269.757	ug/l	98
14) Allyl chloride	2.660	41	60490	48.803	ug/l #	92
15) Acrylonitrile	3.068	53	130109	249.237	ug/l	99
16) Acetone	2.386	43	104420	303.917	ug/l	94
17) Carbon Disulfide	2.508	76	84169	53.393	ug/l	97
18) Methyl Acetate	2.703	43	67968	50.284	ug/l #	90
19) Methyl tert-butyl Ether	3.111	73	181789	54.337	ug/l	95
20) Methylene Chloride	2.788	84	56679	59.923	ug/l #	82
21) trans-1,2-Dichloroethene	3.093	96	54509	52.339	ug/l	88
22) Diisopropyl ether	3.757	45	155868	48.862	ug/l #	88
23) Vinyl Acetate	3.721	43	624492	247.535	ug/l #	90
24) 1,1-Dichloroethane	3.611	63	96427	52.432	ug/l	98
25) 2-Butanone	4.562	43	169706	236.366	ug/l #	87
26) 2,2-Dichloropropane	4.477	77	58738	39.351	ug/l	94
27) cis-1,2-Dichloroethene	4.489	96	68507	53.710	ug/l	83
28) Bromochloromethane	4.897	49	40932	47.578	ug/l #	67
29) Tetrahydrofuran	5.007	42	107943	239.323	ug/l #	82
30) Chloroform	5.092	83	119751	52.930	ug/l	97
31) Cyclohexane	5.464	56	72160	50.455	ug/l	90
32) 1,1,1-Trichloroethane	5.379	97	107241	57.231	ug/l	97
36) 1,1-Dichloropropene	5.696	75	75559	49.685	ug/l	95
37) Ethyl Acetate	4.721	43	68194	44.457	ug/l #	95
38) Carbon Tetrachloride	5.678	117	94091	54.900	ug/l	98
39) Methylcyclohexane	7.385	83	86067	49.673	ug/l	87
40) Benzene	6.037	78	232857	49.855	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	36931	47.316	ug/l #	89
42) 1,2-Dichloroethane	6.086	62	88856	49.190	ug/l	97
43) Isopropyl Acetate	6.342	43	114428	47.397	ug/l #	92
44) Trichloroethene	7.129	130	70377	53.346	ug/l	92
45) 1,2-Dichloropropane	7.434	63	56674	49.997	ug/l	97
46) Dibromomethane	7.580	93	48314	53.072	ug/l	92
47) Bromodichloromethane	7.824	83	90755	55.246	ug/l	97
48) Methyl methacrylate	7.696	41	53014	49.931	ug/l #	84
49) 1,4-Dioxane	7.690	88	29039	1129.611	ug/l #	88
51) 4-Methyl-2-Pentanone	8.574	43	371019	242.794	ug/l	92
52) Toluene	8.720	92	168464	54.110	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	85540	45.271	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	92945	54.443	ug/l #	88
55) 1,1,2-Trichloroethane	9.153	97	71225	53.135	ug/l	97
56) Ethyl methacrylate	9.116	69	94855	55.308	ug/l	86
57) 1,3-Dichloropropane	9.311	76	108415	51.070	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	221945	262.812	ug/l #	85
59) 2-Hexanone	9.433	43	276783	242.760	ug/l	90
60) Dibromochloromethane	9.519	129	78443	50.116	ug/l	98
61) 1,2-Dibromoethane	9.610	107	77573	57.009	ug/l	97
64) Tetrachloroethene	9.275	164	75828	54.694	ug/l	98
65) Chlorobenzene	10.079	112	194381	53.791	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	75920	58.390	ug/l	99
67) Ethyl Benzene	10.195	91	327580	53.290	ug/l	97
68) m/p-Xylenes	10.299	106	274577	111.169	ug/l	94
69) o-Xylene	10.640	106	136362	56.484	ug/l	91
70) Styrene	10.659	104	224574	57.147	ug/l	96
71) Bromoform	10.799	173	58217	52.011	ug/l #	99
73) Isopropylbenzene	10.963	105	357549	51.659	ug/l	98
74) N-amyl acetate	10.841	43	109218	48.646	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.213	83	105806	48.111	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	92616m	47.734	ug/l	
77) Bromobenzene	11.201	156	92535	52.591	ug/l	87
78) n-propylbenzene	11.305	91	394068	51.164	ug/l	96
79) 2-Chlorotoluene	11.366	91	237595	49.957	ug/l	93
80) 1,3,5-Trimethylbenzene	11.451	105	311501	53.093	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	23470	41.692	ug/l	96
82) 4-Chlorotoluene	11.457	91	278323	50.654	ug/l	93
83) tert-Butylbenzene	11.713	119	307412	54.333	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	310793	53.516	ug/l	97
85) sec-Butylbenzene	11.890	105	380637	52.937	ug/l	98
86) p-Isopropyltoluene	12.012	119	336690	54.299	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	181837	53.309	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	187934	52.635	ug/l	97
89) n-Butylbenzene	12.335	91	254278	50.200	ug/l	97
90) Hexachloroethane	12.536	117	52811	53.114	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	185686	54.359	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	22268	50.531	ug/l	76
93) 1,2,4-Trichlorobenzene	13.591	180	107537	53.833	ug/l	99
94) Hexachlorobutadiene	13.725	225	38938	49.988	ug/l	98
95) Naphthalene	13.774	128	379360	56.853	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	112416	54.833	ug/l	98

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

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