

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091522\
 Data File : VX031376.D
 Acq On : 15 Sep 2022 23:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/16/2022
 Supervised By : Mahesh Dadoda 09/16/2022

Quant Time: Sep 16 05:01:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091422W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 01:50:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	59316	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	93260	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	106987	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89872	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	61006	41.902	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	83.800%		
35) Dibromofluoromethane	5.391	113	49846	49.723	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.440%		
50) Toluene-d8	8.653	98	188793	50.205	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.420%		
62) 4-Bromofluorobenzene	11.079	95	68715	49.900	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.800%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	28336	44.243	ug/l	98
3) Chloromethane	1.288	50	42481	48.331	ug/l	97
4) Vinyl Chloride	1.374	62	51193	49.396	ug/l	99
5) Bromomethane	1.611	94	71144	91.539	ug/l	97
6) Chloroethane	1.685	64	63720	77.460	ug/l	97
7) Trichlorofluoromethane	1.886	101	133311	70.172	ug/l	99
8) Diethyl Ether	2.136	74	47500	63.458	ug/l	82
9) 1,1,2-Trichlorotrifluo...	2.325	101	42124	46.890	ug/l	94
10) Methyl Iodide	2.453	142	51908	54.077	ug/l	99
11) Tert butyl alcohol	2.989	59	67039	215.843	ug/l #	89
12) 1,1-Dichloroethene	2.319	96	39938	48.226	ug/l	94
13) Acrolein	2.239	56	30983	184.410	ug/l	99
14) Allyl chloride	2.666	41	67352	36.815	ug/l	95
15) Acrylonitrile	3.068	53	138630	206.445	ug/l	98
16) Acetone	2.392	43	117250	188.643	ug/l	95
17) Carbon Disulfide	2.508	76	92826	46.897	ug/l	99
18) Methyl Acetate	2.709	43	71250	38.658	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	162038	42.252	ug/l	99
20) Methylene Chloride	2.788	84	48356	49.590	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	45620	48.987	ug/l	98
22) Diisopropyl ether	3.764	45	160703	41.977	ug/l	98
23) Vinyl Acetate	3.727	43	695259	218.523	ug/l	99
24) 1,1-Dichloroethane	3.611	63	86033	42.820	ug/l	98
25) 2-Butanone	4.562	43	200941	196.000	ug/l	100
26) 2,2-Dichloropropane	4.477	77	61120	32.064	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	56189	46.063	ug/l	90
28) Bromochloromethane	4.904	49	41519	44.335	ug/l	93
29) Tetrahydrofuran	5.013	42	127094	200.137	ug/l	95
30) Chloroform	5.099	83	96587	45.398	ug/l	100
31) Cyclohexane	5.471	56	71857	45.939	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	86224	45.229	ug/l	99
36) 1,1-Dichloropropene	5.696	75	66280	48.305	ug/l	99
37) Ethyl Acetate	4.715	43	80023	44.380	ug/l	99
38) Carbon Tetrachloride	5.678	117	74085	49.671	ug/l	99
39) Methylcyclohexane	7.385	83	73928	48.924	ug/l	95
40) Benzene	6.037	78	198655	50.417	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	42413	43.420	ug/l	99
42) 1,2-Dichloroethane	6.086	62	77690	48.882	ug/l	99
43) Isopropyl Acetate	6.342	43	131844	42.836	ug/l	99
44) Trichloroethene	7.123	130	53594	53.349	ug/l	92
45) 1,2-Dichloropropane	7.434	63	49476	45.867	ug/l	98
46) Dibromomethane	7.580	93	39085	51.093	ug/l	95
47) Bromodichloromethane	7.824	83	75182	47.252	ug/l	98
48) Methyl methacrylate	7.696	41	58888	42.029	ug/l	93
49) 1,4-Dioxane	7.690	88	26934	958.538	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	428529	229.056	ug/l	100
52) Toluene	8.720	92	133303	53.482	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	80820	45.137	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	81603	44.348	ug/l	100
55) 1,1,2-Trichloroethane	9.153	97	56448	51.303	ug/l	99
56) Ethyl methacrylate	9.116	69	85119	47.789	ug/l	96
57) 1,3-Dichloropropane	9.311	76	92067	48.697	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	187788	226.282	ug/l	97
59) 2-Hexanone	9.433	43	333137	233.307	ug/l	100
60) Dibromochloromethane	9.525	129	61769	52.073	ug/l	99
61) 1,2-Dibromoethane	9.610	107	60465	53.557	ug/l	100
64) Tetrachloroethene	9.275	164	51168	52.309	ug/l	95
65) Chlorobenzene	10.079	112	147439	52.033	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	56260	50.394	ug/l	99
67) Ethyl Benzene	10.195	91	262224	51.093	ug/l	98
68) m/p-Xylenes	10.305	106	216733	111.215	ug/l	98
69) o-Xylene	10.646	106	104678	52.885	ug/l	98
70) Styrene	10.659	104	178974	55.604	ug/l	99
71) Bromoform	10.799	173	44502	50.072	ug/l #	98
73) Isopropylbenzene	10.963	105	277032	41.734	ug/l	99
74) N-amyl acetate	10.842	43	120033	36.374	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	93049	39.005	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	83975m	37.079	ug/l	
77) Bromobenzene	11.201	156	65637	43.366	ug/l	97
78) n-propylbenzene	11.305	91	325602	41.796	ug/l	100
79) 2-Chlorotoluene	11.366	91	197706	41.477	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	256306	46.086	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	26398	32.252	ug/l	95
82) 4-Chlorotoluene	11.457	91	248696	45.519	ug/l	99
83) tert-Butylbenzene	11.713	119	247333	44.451	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	259280	46.907	ug/l	100
85) sec-Butylbenzene	11.890	105	313184	44.950	ug/l	100
86) p-Isopropyltoluene	12.012	119	269260	47.425	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	136638	47.351	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	149330	50.351	ug/l	99
89) n-Butylbenzene	12.335	91	229417	45.567	ug/l	99
90) Hexachloroethane	12.542	117	45290	39.944	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	141712	48.236	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	20068	36.144	ug/l	93
93) 1,2,4-Trichlorobenzene	13.591	180	73133	45.971	ug/l	98
94) Hexachlorobutadiene	13.725	225	25765	41.490	ug/l	97
95) Naphthalene	13.774	128	272659	42.186	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	73952	43.409	ug/l	98

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

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