

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091522\
 Data File : VX031358.D
 Acq On : 15 Sep 2022 16:58
 Operator : JC/MD
 Sample : VX0915WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0915WBS01

Manual Integrations
 APPROVED

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

Quant Time: Sep 16 04:54:52 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	61314	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	94777	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	103968	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	70166	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	69234	46.003	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.000%		
35) Dibromofluoromethane	5.391	113	56152	55.117	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	110.240%		
50) Toluene-d8	8.653	98	210155	54.991	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	109.980%		
62) 4-Bromofluorobenzene	11.079	95	71583	51.151	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.300%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	11460	17.310	ug/l	91
3) Chloromethane	1.288	50	17731	18.545	ug/l	99
4) Vinyl Chloride	1.374	62	21099	19.695	ug/l	100
5) Bromomethane	1.605	94	30346	37.773	ug/l	95
6) Chloroethane	1.685	64	19104	22.482	ug/l	100
7) Trichlorofluoromethane	1.886	101	53073	27.026	ug/l	97
8) Diethyl Ether	2.136	74	19616	22.498	ug/l	84
9) 1,1,2-Trichlorotrifluo...	2.325	101	17185	18.506	ug/l	92
10) Methyl Iodide	2.453	142	18783	19.521	ug/l	99
11) Tert butyl alcohol	2.983	59	25734	56.003	ug/l	100
12) 1,1-Dichloroethene	2.319	96	15516	18.125	ug/l	91
13) Acrolein	2.233	56	14387	82.841	ug/l	99
14) Allyl chloride	2.660	41	27725	14.661	ug/l	99
15) Acrylonitrile	3.068	53	55049	79.306	ug/l	99
16) Acetone	2.386	43	46923	73.034	ug/l	95
17) Carbon Disulfide	2.508	76	36408	18.340	ug/l	99
18) Methyl Acetate	2.709	43	28972	15.207	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	63552	16.031	ug/l	97
20) Methylene Chloride	2.788	84	19341	17.651	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	17921	17.683	ug/l	93
22) Diisopropyl ether	3.763	45	61199	15.465	ug/l	96
23) Vinyl Acetate	3.727	43	264617	80.460	ug/l	99
24) 1,1-Dichloroethane	3.611	63	33986	16.364	ug/l	94
25) 2-Butanone	4.562	43	79152	74.690	ug/l	98
26) 2,2-Dichloropropane	4.477	77	29467	14.955	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	21867	17.342	ug/l	92
28) Bromochloromethane	4.897	49	15880	16.404	ug/l	93
29) Tetrahydrofuran	5.013	42	51038	77.751	ug/l	98
30) Chloroform	5.099	83	37050	16.847	ug/l	99
31) Cyclohexane	5.471	56	27340	16.909	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	33305	16.901	ug/l	99
36) 1,1-Dichloropropene	5.696	75	25312	18.152	ug/l	100
37) Ethyl Acetate	4.721	43	31507	17.194	ug/l	99
38) Carbon Tetrachloride	5.684	117	28096	18.536	ug/l	96
39) Methylcyclohexane	7.379	83	29527	19.227	ug/l	93
40) Benzene	6.044	78	77941	19.464	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	15746	15.862	ug/l	94
42) 1,2-Dichloroethane	6.092	62	30351	18.791	ug/l	99
43) Isopropyl Acetate	6.342	43	52256	16.706	ug/l	99
44) Trichloroethene	7.129	130	20516	20.095	ug/l	99
45) 1,2-Dichloropropane	7.434	63	19781	18.044	ug/l	95
46) Dibromomethane	7.580	93	14603	18.784	ug/l	92
47) Bromodichloromethane	7.824	83	28141	17.403	ug/l	97
48) Methyl methacrylate	7.696	41	23000	16.153	ug/l	94
49) 1,4-Dioxane	7.677	88	10523	368.503	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	165393	86.990	ug/l	99
52) Toluene	8.720	92	50279	19.850	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	30204	16.599	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	32403	17.328	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	21360	19.102	ug/l	95
56) Ethyl methacrylate	9.116	69	31036	17.146	ug/l	94
57) 1,3-Dichloropropane	9.311	76	34947	18.189	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	73114	86.691	ug/l	99
59) 2-Hexanone	9.433	43	127311	87.733	ug/l	98
60) Dibromochloromethane	9.525	129	22150	18.374	ug/l	98
61) 1,2-Dibromoethane	9.610	107	21933	19.116	ug/l	99
64) Tetrachloroethene	9.275	164	19760	20.787	ug/l	97
65) Chlorobenzene	10.079	112	54516	19.798	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	20655	19.038	ug/l	98
67) Ethyl Benzene	10.195	91	95990	19.246	ug/l	96
68) m/p-Xylenes	10.305	106	74686	39.437	ug/l	100
69) o-Xylene	10.640	106	37211	19.345	ug/l	98
70) Styrene	10.659	104	60422	19.317	ug/l	99
71) Bromoform	10.799	173	15431	17.866	ug/l #	98
73) Isopropylbenzene	10.963	105	96289	18.579	ug/l	98
74) N-amyl acetate	10.841	43	43219	16.775	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	34379	18.459	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	30633m	17.325	ug/l	
77) Bromobenzene	11.201	156	23597	19.969	ug/l	94
78) n-propylbenzene	11.305	91	111266	18.294	ug/l	99
79) 2-Chlorotoluene	11.366	91	65167	17.511	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	80462	18.531	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	9805	15.344	ug/l	95
82) 4-Chlorotoluene	11.457	91	76465	17.926	ug/l	98
83) tert-Butylbenzene	11.713	119	81803	18.831	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	80960	18.760	ug/l	99
85) sec-Butylbenzene	11.890	105	102752	18.889	ug/l	97
86) p-Isopropyltoluene	12.012	119	85088	19.196	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	44565	19.781	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	45679	19.727	ug/l	99
89) n-Butylbenzene	12.335	91	72536	18.454	ug/l	99
90) Hexachloroethane	12.542	117	14929	16.865	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	44868	19.561	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7118	15.291	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	26715	21.509	ug/l	98
94) Hexachlorobutadiene	13.725	225	10081	20.793	ug/l	96
95) Naphthalene	13.774	128	99996	19.816	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	27100	20.375	ug/l	99

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

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