

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052223\
 Data File : VX035778.D
 Acq On : 22 May 2023 12:39
 Operator : JC/MD
 Sample : VX0522WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/23/2023
 Supervised By : Mahesh Dadoda 05/23/2023

Quant Time: May 23 06:09:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 11 13:57:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	207705	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	359982	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	324927	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	151193	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	188695	52.075	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.160%			
35) Dibromofluoromethane	5.379	113	126754	52.211	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.420%			
50) Toluene-d8	8.647	98	456776	50.931	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.860%			
62) 4-Bromofluorobenzene	11.079	95	182023	50.406	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.820%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	56188	20.757	ug/l	99
3) Chloromethane	1.294	50	56952	17.337	ug/l	99
4) Vinyl Chloride	1.374	62	54703	19.622	ug/l	98
5) Bromomethane	1.618	94	32639	21.617	ug/l	94
6) Chloroethane	1.691	64	30306	17.919	ug/l	98
7) Trichlorofluoromethane	1.886	101	83929	20.475	ug/l	96
8) Diethyl Ether	2.130	74	29869	18.925	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	47938	19.697	ug/l	99
10) Methyl Iodide	2.453	142	48984	22.504	ug/l	90
11) Tert butyl alcohol	3.026	59	60094m	94.003	ug/l	
12) 1,1-Dichloroethene	2.319	96	44214	19.115	ug/l	96
13) Acrolein	2.239	56	63715	83.974	ug/l	100
14) Allyl chloride	2.666	41	95656	19.303	ug/l	92
15) Acrylonitrile	3.069	53	146891	104.347	ug/l	97
16) Acetone	2.404	43	142790	91.687	ug/l	94
17) Carbon Disulfide	2.514	76	98778	17.695	ug/l	98
18) Methyl Acetate	2.709	43	127927	22.273	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	190168	20.660	ug/l	97
20) Methylene Chloride	2.788	84	57290	20.298	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	50446	19.903	ug/l	97
22) Diisopropyl ether	3.757	45	198938	20.504	ug/l	99
23) Vinyl Acetate	3.721	43	707634	103.078	ug/l	97
24) 1,1-Dichloroethane	3.611	63	106111	20.449	ug/l	98
25) 2-Butanone	4.568	43	222893	103.388	ug/l	100
26) 2,2-Dichloropropane	4.471	77	84149	19.150	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	60600	19.889	ug/l	92
28) Bromochloromethane	4.897	49	52672	22.567	ug/l	94
29) Tetrahydrofuran	5.013	42	139862	103.216	ug/l	99
30) Chloroform	5.086	83	109354	20.566	ug/l	95
31) Cyclohexane	5.471	56	91306	19.944	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	92830	20.065	ug/l	98
36) 1,1-Dichloropropene	5.690	75	80622	21.039	ug/l	98
37) Ethyl Acetate	4.715	43	84880	21.236	ug/l	99
38) Carbon Tetrachloride	5.678	117	74289	20.465	ug/l	97
39) Methylcyclohexane	7.379	83	93377	20.701	ug/l	93
40) Benzene	6.037	78	222786	20.782	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	50522	21.289	ug/l	98
42) 1,2-Dichloroethane	6.086	62	99335	21.541	ug/l	96
43) Isopropyl Acetate	6.336	43	143109	20.533	ug/l	99
44) Trichloroethene	7.123	130	56199	20.675	ug/l	91
45) 1,2-Dichloropropane	7.428	63	59593	20.989	ug/l	100
46) Dibromomethane	7.580	93	40812	21.000	ug/l	95
47) Bromodichloromethane	7.818	83	76669	20.410	ug/l	98
48) Methyl methacrylate	7.690	41	71364	20.747	ug/l	95
49) 1,4-Dioxane	7.738	88	27229	370.322	ug/l #	65
51) 4-Methyl-2-Pentanone	8.574	43	445398	110.924	ug/l	96
52) Toluene	8.720	92	140200	20.718	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	82332	20.174	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	91046	20.822	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	56159	21.129	ug/l	98
56) Ethyl methacrylate	9.116	69	90038	20.919	ug/l	95
57) 1,3-Dichloropropane	9.305	76	102767	21.329	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	244089	111.477	ug/l	98
59) 2-Hexanone	9.433	43	332735	110.034	ug/l	97
60) Dibromochloromethane	9.519	129	52183	20.597	ug/l	99
61) 1,2-Dibromoethane	9.610	107	58319	20.826	ug/l	100
64) Tetrachloroethene	9.275	164	44676	20.423	ug/l	96
65) Chlorobenzene	10.079	112	146545	20.661	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	51738	20.629	ug/l	99
67) Ethyl Benzene	10.189	91	272364	20.418	ug/l	96
68) m/p-Xylenes	10.299	106	203666	41.305	ug/l	94
69) o-Xylene	10.640	106	100570	20.554	ug/l	96
70) Styrene	10.653	104	162570	20.616	ug/l	98
71) Bromoform	10.799	173	31014	18.795	ug/l #	98
73) Isopropylbenzene	10.963	105	270279	21.214	ug/l	98
74) N-amyl acetate	10.842	43	118268	19.910	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	84801	20.519	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	74935m	20.262	ug/l	
77) Bromobenzene	11.195	156	58649	20.282	ug/l	92
78) n-propylbenzene	11.305	91	317799	21.220	ug/l	97
79) 2-Chlorotoluene	11.360	91	192967	20.580	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	228270	21.081	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	21194	18.470	ug/l #	79
82) 4-Chlorotoluene	11.451	91	222174	20.575	ug/l	96
83) tert-Butylbenzene	11.713	119	215300	20.455	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	225658	20.755	ug/l	97
85) sec-Butylbenzene	11.890	105	277443	20.994	ug/l	98
86) p-Isopropyltoluene	12.006	119	226640	20.860	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	109208	19.880	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	113220	20.411	ug/l	98
89) n-Butylbenzene	12.329	91	203906	20.631	ug/l	98
90) Hexachloroethane	12.536	117	32200	19.554	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	108495	20.169	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	17780	19.320	ug/l	88
93) 1,2,4-Trichlorobenzene	13.585	180	63898	19.728	ug/l	97
94) Hexachlorobutadiene	13.725	225	26783	20.833	ug/l	97
95) Naphthalene	13.774	128	224351	20.226	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	63549	19.949	ug/l	99

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

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