

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051523\
 Data File : VX035656.D
 Acq On : 15 May 2023 11:44
 Operator : JC/MD
 Sample : VX0515WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/16/2023
 Supervised By : Mahesh Dadoda 05/16/2023

Quant Time: May 16 04:56:01 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	216216	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	388269	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	353937	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	167289	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	191161	50.679	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.360%			
35) Dibromofluoromethane	5.385	113	130940	50.006	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.020%			
50) Toluene-d8	8.647	98	468485	48.431	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.860%			
62) 4-Bromofluorobenzene	11.079	95	197680	50.754	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.500%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	46577	16.529	ug/l	98
3) Chloromethane	1.294	50	52076	15.229	ug/l	100
4) Vinyl Chloride	1.374	62	48385	16.673	ug/l	97
5) Bromomethane	1.617	94	30186	19.205	ug/l	94
6) Chloroethane	1.691	64	31819	18.073	ug/l	100
7) Trichlorofluoromethane	1.892	101	71530	16.763	ug/l	100
8) Diethyl Ether	2.130	74	29702	18.078	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.331	101	42758	16.877	ug/l	96
10) Methyl Iodide	2.453	142	42811	18.894	ug/l	91
11) Tert butyl alcohol	3.026	59	63020m	94.699	ug/l	
12) 1,1-Dichloroethene	2.319	96	40132	16.667	ug/l	85
13) Acrolein	2.239	56	87329	110.566	ug/l	98
14) Allyl chloride	2.666	41	86815	16.830	ug/l	93
15) Acrylonitrile	3.068	53	139194	94.987	ug/l	98
16) Acetone	2.404	43	146019	90.070	ug/l	97
17) Carbon Disulfide	2.514	76	91532	15.751	ug/l	99
18) Methyl Acetate	2.709	43	113672	19.012	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	176329	18.403	ug/l	98
20) Methylene Chloride	2.788	84	53461	18.195	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	46566	17.649	ug/l	98
22) Diisopropyl ether	3.757	45	182168	18.037	ug/l	94
23) Vinyl Acetate	3.721	43	668216	93.505	ug/l	98
24) 1,1-Dichloroethane	3.605	63	95511	17.682	ug/l	97
25) 2-Butanone	4.562	43	206184	91.873	ug/l	100
26) 2,2-Dichloropropane	4.465	77	79195	17.313	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	56117	17.693	ug/l	95
28) Bromochloromethane	4.891	49	50556	20.808	ug/l	95
29) Tetrahydrofuran	5.007	42	130843	92.759	ug/l	99
30) Chloroform	5.086	83	100314	18.123	ug/l	95
31) Cyclohexane	5.464	56	78713	16.517	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	82219	17.072	ug/l	99
36) 1,1-Dichloropropene	5.690	75	67254	16.272	ug/l	98
37) Ethyl Acetate	4.708	43	79775	18.505	ug/l	99
38) Carbon Tetrachloride	5.672	117	64774	16.544	ug/l	98
39) Methylcyclohexane	7.379	83	80995	16.648	ug/l	91
40) Benzene	6.037	78	203508	17.601	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	47314	18.485	ug/l	97
42) 1,2-Dichloroethane	6.080	62	89802	18.055	ug/l	97
43) Isopropyl Acetate	6.336	43	137417	18.280	ug/l	99
44) Trichloroethene	7.123	130	49338	16.828	ug/l	93
45) 1,2-Dichloropropane	7.427	63	55172	18.017	ug/l	96
46) Dibromomethane	7.580	93	38707	18.466	ug/l	93
47) Bromodichloromethane	7.818	83	73156	18.056	ug/l	96
48) Methyl methacrylate	7.690	41	68060	18.345	ug/l	96
49) 1,4-Dioxane	7.732	88	28073	353.546	ug/l #	77
51) 4-Methyl-2-Pentanone	8.567	43	414219	95.644	ug/l	97
52) Toluene	8.714	92	127124	17.417	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	79571	18.077	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	85678	18.167	ug/l	95
55) 1,1,2-Trichloroethane	9.147	97	52553	18.332	ug/l	97
56) Ethyl methacrylate	9.116	69	84513	18.205	ug/l	96
57) 1,3-Dichloropropane	9.305	76	94264	18.139	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	238718	101.081	ug/l	99
59) 2-Hexanone	9.427	43	307062	94.146	ug/l	98
60) Dibromochloromethane	9.518	129	48560	17.771	ug/l	100
61) 1,2-Dibromoethane	9.604	107	55351	18.326	ug/l	100
64) Tetrachloroethene	9.269	164	39825	16.713	ug/l	90
65) Chlorobenzene	10.079	112	134262	17.378	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	46706	17.097	ug/l	97
67) Ethyl Benzene	10.189	91	249523	17.172	ug/l	94
68) m/p-Xylenes	10.299	106	181268	33.749	ug/l	92
69) o-Xylene	10.640	106	90881	17.052	ug/l	93
70) Styrene	10.652	104	151885	17.682	ug/l	98
71) Bromoform	10.799	173	30328	16.873	ug/l #	100
73) Isopropylbenzene	10.957	105	241898	17.160	ug/l	98
74) N-amyl acetate	10.841	43	113301	17.238	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	80501	17.604	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	70117m	17.135	ug/l	
77) Bromobenzene	11.195	156	54534	17.044	ug/l	92
78) n-propylbenzene	11.305	91	282961	17.076	ug/l	98
79) 2-Chlorotoluene	11.360	91	175422	16.909	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	206321	17.221	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	21707	17.097	ug/l	86
82) 4-Chlorotoluene	11.451	91	202607	16.957	ug/l	98
83) tert-Butylbenzene	11.713	119	197152	16.929	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	206289	17.148	ug/l	98
85) sec-Butylbenzene	11.890	105	246660	16.869	ug/l	98
86) p-Isopropyltoluene	12.006	119	205706	17.112	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	105341	17.331	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	104629	17.047	ug/l	97
89) n-Butylbenzene	12.329	91	184176	16.842	ug/l	97
90) Hexachloroethane	12.536	117	29901	16.410	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	101874	17.116	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	17660	17.343	ug/l	88
93) 1,2,4-Trichlorobenzene	13.585	180	61441	17.144	ug/l	98
94) Hexachlorobutadiene	13.725	225	23545	16.552	ug/l	99
95) Naphthalene	13.774	128	217378	17.712	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	61856	17.549	ug/l	98

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

