

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052523\
 Data File : VX035856.D
 Acq On : 25 May 2023 16:21
 Operator : JC/MD
 Sample : VX0525WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0525WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/26/2023
 Supervised By : Mahesh Dadoda 05/26/2023

Quant Time: May 26 07:24:20 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	164089	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	300936	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	263026	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	130629	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	147807	51.634	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.260%			
35) Dibromofluoromethane	5.385	113	99459	49.007	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.020%			
50) Toluene-d8	8.647	98	353245	47.115	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.240%			
62) 4-Bromofluorobenzene	11.079	95	158013	52.343	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.680%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	38006	17.772	ug/l	99
3) Chloromethane	1.294	50	39865	15.361	ug/l	98
4) Vinyl Chloride	1.374	62	38241	17.363	ug/l	95
5) Bromomethane	1.617	94	23944	20.074	ug/l	97
6) Chloroethane	1.691	64	27858	20.850	ug/l	97
7) Trichlorofluoromethane	1.886	101	62262	19.226	ug/l	96
8) Diethyl Ether	2.130	74	23678	18.990	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	36562	19.016	ug/l	97
10) Methyl Iodide	2.453	142	35596	20.700	ug/l	94
11) Tert butyl alcohol	3.001	59	46084m	91.249	ug/l	
12) 1,1-Dichloroethene	2.318	96	34140	18.683	ug/l	94
13) Acrolein	2.239	56	79253	132.217	ug/l	99
14) Allyl chloride	2.666	41	66193	16.908	ug/l	97
15) Acrylonitrile	3.062	53	119441	107.401	ug/l	99
16) Acetone	2.392	43	116749	94.892	ug/l	96
17) Carbon Disulfide	2.514	76	65766	14.912	ug/l	99
18) Methyl Acetate	2.703	43	98763	21.766	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	133927	18.418	ug/l	97
20) Methylene Chloride	2.788	84	42468	19.046	ug/l	90
21) trans-1,2-Dichloroethene	3.087	96	38030	18.993	ug/l	96
22) Diisopropyl ether	3.757	45	145750	19.015	ug/l	93
23) Vinyl Acetate	3.721	43	502382	92.632	ug/l	97
24) 1,1-Dichloroethane	3.605	63	77514	18.909	ug/l	98
25) 2-Butanone	4.562	43	176979	103.912	ug/l	98
26) 2,2-Dichloropropane	4.471	77	55092	15.870	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	44850	18.633	ug/l	99
28) Bromochloromethane	4.897	49	40811	22.133	ug/l	95
29) Tetrahydrofuran	5.007	42	111539	104.193	ug/l	98
30) Chloroform	5.086	83	78329	18.647	ug/l	100
31) Cyclohexane	5.470	56	63080	17.441	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	63708	17.431	ug/l	98
36) 1,1-Dichloropropene	5.690	75	55830	17.428	ug/l	98
37) Ethyl Acetate	4.714	43	61918	18.531	ug/l	98
38) Carbon Tetrachloride	5.672	117	51312	16.909	ug/l	96
39) Methylcyclohexane	7.379	83	68509	18.168	ug/l	92
40) Benzene	6.031	78	167732	18.716	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	37630	18.968	ug/l	98
42) 1,2-Dichloroethane	6.086	62	78322	20.316	ug/l	96
43) Isopropyl Acetate	6.336	43	115846	19.882	ug/l	98
44) Trichloroethene	7.122	130	43552	19.166	ug/l	99
45) 1,2-Dichloropropane	7.427	63	48669	20.505	ug/l	97
46) Dibromomethane	7.580	93	33175	20.419	ug/l	92
47) Bromodichloromethane	7.817	83	60182	19.165	ug/l	98
48) Methyl methacrylate	7.689	41	59129	20.563	ug/l	95
49) 1,4-Dioxane	7.714	88	23314	379.553	ug/l	90
51) 4-Methyl-2-Pentanone	8.573	43	337124	100.433	ug/l	98
52) Toluene	8.720	92	101959	18.023	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	53801	15.769	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	62921	17.213	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	42945	19.328	ug/l	96
56) Ethyl methacrylate	9.116	69	63245	17.577	ug/l	93
57) 1,3-Dichloropropane	9.305	76	75471	18.737	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	177751	97.108	ug/l	99
59) 2-Hexanone	9.427	43	260103	102.892	ug/l	98
60) Dibromochloromethane	9.518	129	36946	17.444	ug/l	98
61) 1,2-Dibromoethane	9.610	107	43574	18.614	ug/l	100
64) Tetrachloroethene	9.275	164	33729	19.047	ug/l	95
65) Chlorobenzene	10.079	112	108258	18.855	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	35949	17.707	ug/l	98
67) Ethyl Benzene	10.195	91	192292	17.808	ug/l	98
68) m/p-Xylenes	10.299	106	146354	36.667	ug/l	98
69) o-Xylene	10.640	106	73272	18.500	ug/l	97
70) Styrene	10.652	104	120541	18.883	ug/l	99
71) Bromoform	10.799	173	23127	17.314	ug/l #	98
73) Isopropylbenzene	10.963	105	209819	19.061	ug/l	98
74) N-amyl acetate	10.841	43	85443	16.648	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	72421	20.282	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	62619m	19.598	ug/l	
77) Bromobenzene	11.195	156	46808	18.735	ug/l	89
78) n-propylbenzene	11.305	91	250097	19.328	ug/l	98
79) 2-Chlorotoluene	11.360	91	156325	19.297	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	181384	19.388	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	15397	15.530	ug/l #	71
82) 4-Chlorotoluene	11.451	91	179045	19.191	ug/l	97
83) tert-Butylbenzene	11.713	119	167778	18.449	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	180109	19.173	ug/l	97
85) sec-Butylbenzene	11.890	105	216685	18.977	ug/l	98
86) p-Isopropyltoluene	12.006	119	181375	19.322	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	91983	19.381	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	92851	19.374	ug/l	98
89) n-Butylbenzene	12.329	91	159044	18.625	ug/l	98
90) Hexachloroethane	12.536	117	24937	17.527	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	90458	19.463	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	14340	18.035	ug/l	89
93) 1,2,4-Trichlorobenzene	13.585	180	53837	19.238	ug/l	97
94) Hexachlorobutadiene	13.725	225	21269	19.148	ug/l	100
95) Naphthalene	13.774	128	188303	19.649	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	52248	18.984	ug/l	98

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

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