

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121423\
 Data File : VX039199.D
 Acq On : 14 Dec 2023 11:21
 Operator : JC/MD
 Sample : VX1214WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1214WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/15/2023
 Supervised By : Mahesh Dadoda 12/15/2023

Quant Time: Dec 15 02:57:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	119468	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	216877	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	201443	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	100865	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	108108	49.397	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 98.800%			
35) Dibromofluoromethane	5.379	113	75283	50.246	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.500%			
50) Toluene-d8	8.647	98	282980	50.873	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.740%			
62) 4-Bromofluorobenzene	11.079	95	115730	50.426	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.860%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	34370	20.474	ug/l	99
3) Chloromethane	1.294	50	35976	19.331	ug/l	97
4) Vinyl Chloride	1.374	62	33502	19.356	ug/l	99
5) Bromomethane	1.605	94	21922	22.014	ug/l	98
6) Chloroethane	1.685	64	19523	18.717	ug/l	96
7) Trichlorofluoromethane	1.886	101	49244	19.429	ug/l	100
8) Diethyl Ether	2.130	74	17538	19.993	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	30376	19.640	ug/l	97
10) Methyl Iodide	2.453	142	32564	20.370	ug/l	94
11) Tert butyl alcohol	2.947	59	57250	104.169	ug/l #	94
12) 1,1-Dichloroethene	2.319	96	29072	18.923	ug/l	96
13) Acrolein	2.233	56	44839	102.269	ug/l	99
14) Allyl chloride	2.666	41	59380	19.080	ug/l	98
15) Acrylonitrile	3.056	53	112409	102.184	ug/l	99
16) Acetone	2.373	43	123108	80.850	ug/l	95
17) Carbon Disulfide	2.514	76	85437	19.004	ug/l	99
18) Methyl Acetate	2.697	43	93065	19.660	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	109006	19.619	ug/l	97
20) Methylene Chloride	2.788	84	35841	19.645	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	32040	19.166	ug/l	97
22) Diisopropyl ether	3.757	45	113587	20.050	ug/l	93
23) Vinyl Acetate	3.715	43	435059	103.154	ug/l	98
24) 1,1-Dichloroethane	3.605	63	61386	19.168	ug/l	99
25) 2-Butanone	4.550	43	170925	90.505	ug/l	97
26) 2,2-Dichloropropane	4.471	77	53079	18.985	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	36903	20.000	ug/l	98
28) Bromochloromethane	4.897	49	26823	17.166	ug/l	92
29) Tetrahydrofuran	4.995	42	106765	102.368	ug/l	99
30) Chloroform	5.086	83	62085	19.400	ug/l	99
31) Cyclohexane	5.470	56	55008	19.460	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	53474	19.248	ug/l	98
36) 1,1-Dichloropropene	5.690	75	46155	19.521	ug/l	99
37) Ethyl Acetate	4.708	43	59073	20.223	ug/l	99
38) Carbon Tetrachloride	5.678	117	43906	19.459	ug/l	99
39) Methylcyclohexane	7.379	83	56569	19.918	ug/l	95
40) Benzene	6.037	78	132876	19.867	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	31255	20.054	ug/l	96
42) 1,2-Dichloroethane	6.086	62	54739	20.219	ug/l	100
43) Isopropyl Acetate	6.336	43	97358	20.496	ug/l	99
44) Trichloroethene	7.123	130	33341	19.755	ug/l	93
45) 1,2-Dichloropropane	7.427	63	36191	20.162	ug/l	98
46) Dibromomethane	7.580	93	25424	20.149	ug/l	97
47) Bromodichloromethane	7.818	83	49457	20.500	ug/l	96
48) Methyl methacrylate	7.690	41	57481	20.699	ug/l	96
49) 1,4-Dioxane	7.653	88	17805	475.663	ug/l #	99
51) 4-Methyl-2-Pentanone	8.567	43	317156	104.794	ug/l	99
52) Toluene	8.714	92	81999	20.313	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	54390	20.477	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	57711	20.193	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	34835	20.670	ug/l	94
56) Ethyl methacrylate	9.116	69	42767	20.788	ug/l	94
57) 1,3-Dichloropropane	9.305	76	60399	20.731	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	122257	101.204	ug/l	94
59) 2-Hexanone	9.427	43	256768	98.305	ug/l	98
60) Dibromochloromethane	9.518	129	34804	20.421	ug/l	100
61) 1,2-Dibromoethane	9.610	107	36688	20.393	ug/l	100
64) Tetrachloroethene	9.269	164	25269	19.196	ug/l	95
65) Chlorobenzene	10.079	112	85554	19.458	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	30846	19.861	ug/l	98
67) Ethyl Benzene	10.189	91	162386	19.841	ug/l	98
68) m/p-Xylenes	10.299	106	118777	40.476	ug/l	93
69) o-Xylene	10.640	106	56090	19.769	ug/l	90
70) Styrene	10.652	104	83752	20.191	ug/l	96
71) Bromoform	10.799	173	22813	19.761	ug/l #	99
73) Isopropylbenzene	10.963	105	152756	19.629	ug/l	100
74) N-amyl acetate	10.841	43	78220	19.866	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	58279	20.131	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	51569m	19.762	ug/l	
77) Bromobenzene	11.195	156	34024	19.771	ug/l	90
78) n-propylbenzene	11.305	91	189116	19.724	ug/l	97
79) 2-Chlorotoluene	11.360	91	112390	19.378	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	134525	20.292	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	17376	18.784	ug/l	96
82) 4-Chlorotoluene	11.451	91	134654	19.767	ug/l	97
83) tert-Butylbenzene	11.713	119	123343	19.549	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	134266	19.749	ug/l	99
85) sec-Butylbenzene	11.890	105	159708	19.892	ug/l	96
86) p-Isopropyltoluene	12.006	119	133009	19.741	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	64497	19.077	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	66333	18.844	ug/l	97
89) n-Butylbenzene	12.329	91	131939	19.920	ug/l	96
90) Hexachloroethane	12.536	117	23071	18.955	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	63103	19.507	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	15253	20.003	ug/l	91
93) 1,2,4-Trichlorobenzene	13.585	180	41284	19.490	ug/l	97
94) Hexachlorobutadiene	13.725	225	15007	18.800	ug/l	99
95) Naphthalene	13.774	128	148116	20.079	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	39266	19.202	ug/l	97

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

