

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121423\
 Data File : VX039198.D
 Acq On : 14 Dec 2023 10:55
 Operator : JC/MD
 Sample : VX1214WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1214WBS01

Manual Integrations
 APPROVED

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

Quant Time: Dec 15 02:56:43 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	122975	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	231505	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	213626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	104622	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	113312	50.298	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.600%			
35) Dibromofluoromethane	5.385	113	78624	49.160	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.320%			
50) Toluene-d8	8.647	98	296722	49.973	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.940%			
62) 4-Bromofluorobenzene	11.079	95	121214	49.478	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.960%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	36536	21.143	ug/l	96
3) Chloromethane	1.294	50	38725	20.214	ug/l	97
4) Vinyl Chloride	1.374	62	35923	20.163	ug/l	98
5) Bromomethane	1.605	94	22408	21.861	ug/l	97
6) Chloroethane	1.691	64	21185	19.731	ug/l	94
7) Trichlorofluoromethane	1.892	101	51757	19.839	ug/l	99
8) Diethyl Ether	2.130	74	18005	19.940	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	31813	19.983	ug/l	96
10) Methyl Iodide	2.453	142	33729	20.497	ug/l	94
11) Tert butyl alcohol	2.946	59	54665	96.629	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	31515	19.928	ug/l	98
13) Acrolein	2.233	56	45540	100.906	ug/l	99
14) Allyl chloride	2.666	41	62251	19.432	ug/l	98
15) Acrylonitrile	3.056	53	111178	98.183	ug/l	100
16) Acetone	2.373	43	114552	70.602	ug/l	94
17) Carbon Disulfide	2.514	76	89070	19.247	ug/l	99
18) Methyl Acetate	2.697	43	98487	20.212	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	112196	19.617	ug/l	96
20) Methylene Chloride	2.788	84	36247	19.301	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	33199	19.293	ug/l	95
22) Diisopropyl ether	3.757	45	115117	19.741	ug/l	97
23) Vinyl Acetate	3.721	43	435033	100.206	ug/l	98
24) 1,1-Dichloroethane	3.611	63	64265	19.495	ug/l	99
25) 2-Butanone	4.550	43	165981	85.381	ug/l	97
26) 2,2-Dichloropropane	4.477	77	56398	19.597	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	38060	20.039	ug/l	97
28) Bromochloromethane	4.903	49	28172	17.515	ug/l	94
29) Tetrahydrofuran	5.001	42	104429	97.273	ug/l	100
30) Chloroform	5.092	83	64828	19.679	ug/l	100
31) Cyclohexane	5.464	56	56465	19.405	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	55345	19.353	ug/l	96
36) 1,1-Dichloropropene	5.690	75	49340	19.550	ug/l	99
37) Ethyl Acetate	4.708	43	59083	18.949	ug/l	98
38) Carbon Tetrachloride	5.678	117	45218	18.774	ug/l	95
39) Methylcyclohexane	7.379	83	57375	18.926	ug/l	98
40) Benzene	6.037	78	138507	19.401	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	30780	18.502	ug/l	93
42) 1,2-Dichloroethane	6.086	62	56417	19.522	ug/l	100
43) Isopropyl Acetate	6.336	43	95208	18.777	ug/l	100
44) Trichloroethene	7.123	130	34530	19.167	ug/l	97
45) 1,2-Dichloropropane	7.427	63	37521	19.583	ug/l	98
46) Dibromomethane	7.580	93	25771	19.134	ug/l	96
47) Bromodichloromethane	7.818	83	50415	19.576	ug/l	96
48) Methyl methacrylate	7.690	41	57804	19.500	ug/l	97
49) 1,4-Dioxane	7.659	88	16805	420.580	ug/l #	98
51) 4-Methyl-2-Pentanone	8.567	43	317506	98.281	ug/l	99
52) Toluene	8.720	92	83237	19.317	ug/l	91
53) t-1,3-Dichloropropene	8.976	75	56073	19.777	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	59895	19.633	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	34480	19.167	ug/l	90
56) Ethyl methacrylate	9.116	69	43000	19.580	ug/l	96
57) 1,3-Dichloropropane	9.305	76	61483	19.770	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	122061	94.657	ug/l	94
59) 2-Hexanone	9.427	43	251903	90.348	ug/l	99
60) Dibromochloromethane	9.518	129	35236	19.368	ug/l	98
61) 1,2-Dibromoethane	9.610	107	37126	19.332	ug/l	100
64) Tetrachloroethene	9.275	164	26535	19.008	ug/l	96
65) Chlorobenzene	10.079	112	89303	19.152	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	31624	19.201	ug/l	98
67) Ethyl Benzene	10.195	91	169637	19.544	ug/l	98
68) m/p-Xylenes	10.299	106	123029	39.534	ug/l	94
69) o-Xylene	10.640	106	57939	19.256	ug/l	92
70) Styrene	10.652	104	86365	19.634	ug/l	97
71) Bromoform	10.799	173	23417	19.128	ug/l #	97
73) Isopropylbenzene	10.963	105	160490	19.882	ug/l	98
74) N-amyl acetate	10.841	43	78122	19.128	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	59293	19.746	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	51609m	19.067	ug/l	
77) Bromobenzene	11.195	156	34909	19.557	ug/l	90
78) n-propylbenzene	11.305	91	196741	19.782	ug/l	97
79) 2-Chlorotoluene	11.360	91	116069	19.294	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	136310	19.823	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	17592	18.334	ug/l	96
82) 4-Chlorotoluene	11.451	91	139256	19.709	ug/l	97
83) tert-Butylbenzene	11.713	119	128044	19.566	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	136220	19.317	ug/l	98
85) sec-Butylbenzene	11.890	105	162686	19.536	ug/l	97
86) p-Isopropyltoluene	12.006	119	135827	19.435	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	66328	18.914	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	68984	18.893	ug/l	98
89) n-Butylbenzene	12.329	91	135856	19.774	ug/l	96
90) Hexachloroethane	12.536	117	23670	18.749	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	64255	19.150	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	15073	19.057	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	42385	19.291	ug/l	97
94) Hexachlorobutadiene	13.725	225	15358	18.549	ug/l	99
95) Naphthalene	13.774	128	148201	19.369	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	40119	18.915	ug/l	99

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

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