

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031423\
 Data File : VX034453.D
 Acq On : 14 Mar 2023 10:37
 Operator : JC/MD
 Sample : VX0314WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0314WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/15/2023
 Supervised By : Mahesh Dadoda 03/15/2023

Quant Time: Mar 15 06:36:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	291412	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	487949	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	449689	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	227669	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.952	65	187305	44.181	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	88.360%
35) Dibromofluoromethane	5.379	113	146836	45.578	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.160%
50) Toluene-d8	8.647	98	547938	45.560	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.120%#
62) 4-Bromofluorobenzene	11.079	95	216293	44.524	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.040%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	47529	17.495	ug/l	95
3) Chloromethane	1.307	50	69302	15.946	ug/l	100
4) Vinyl Chloride	1.374	62	62837	16.987	ug/l	99
5) Bromomethane	1.599	94	42867	22.968	ug/l	95
6) Chloroethane	1.685	64	40086	18.821	ug/l	96
7) Trichlorofluoromethane	1.886	101	100452	18.072	ug/l	96
8) Diethyl Ether	2.130	74	40725	20.071	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.325	101	57591	17.779	ug/l	99
10) Methyl Iodide	2.453	142	79409	18.672	ug/l	98
11) Tert butyl alcohol	2.953	59	83298	94.353	ug/l	99
12) 1,1-Dichloroethene	2.319	96	53670	16.823	ug/l	97
13) Acrolein	2.233	56	67898	97.218	ug/l	99
14) Allyl chloride	2.660	41	109797	16.976	ug/l	99
15) Acrylonitrile	3.062	53	183176	96.050	ug/l	99
16) Acetone	2.374	43	179955	90.113	ug/l	100
17) Carbon Disulfide	2.508	76	138472	15.424	ug/l	99
18) Methyl Acetate	2.703	43	124016	19.006	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	213650	18.705	ug/l	99
20) Methylene Chloride	2.788	84	68755	17.740	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	61254	18.080	ug/l	95
22) Diisopropyl ether	3.757	45	235884	19.129	ug/l	95
23) Vinyl Acetate	3.721	43	915888	97.592	ug/l	98
24) 1,1-Dichloroethane	3.611	63	117566	17.736	ug/l	99
25) 2-Butanone	4.550	43	269913	94.460	ug/l	98
26) 2,2-Dichloropropane	4.471	77	97782	16.970	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	74511	18.269	ug/l	97
28) Bromochloromethane	4.898	49	59172	19.198	ug/l	100
29) Tetrahydrofuran	5.001	42	170693	96.809	ug/l	100
30) Chloroform	5.093	83	120396	18.529	ug/l	100
31) Cyclohexane	5.464	56	104989	17.658	ug/l	93
32) 1,1,1-Trichloroethane	5.379	97	100108	17.403	ug/l	99
36) 1,1-Dichloropropene	5.690	75	86017	17.383	ug/l	98
37) Ethyl Acetate	4.709	43	102244	18.914	ug/l	98
38) Carbon Tetrachloride	5.672	117	84775	17.221	ug/l	99
39) Methylcyclohexane	7.379	83	105217	17.768	ug/l	96
40) Benzene	6.038	78	265856	18.366	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	59137	19.961	ug/l	98
42) 1,2-Dichloroethane	6.086	62	102156	19.202	ug/l	99
43) Isopropyl Acetate	6.336	43	173679	18.965	ug/l	99
44) Trichloroethene	7.123	130	65144	17.320	ug/l	94
45) 1,2-Dichloropropane	7.428	63	71709	18.972	ug/l	98
46) Dibromomethane	7.580	93	48885	19.024	ug/l	98
47) Bromodichloromethane	7.818	83	92166	18.533	ug/l	98
48) Methyl methacrylate	7.690	41	84241	19.126	ug/l	100
49) 1,4-Dioxane	7.659	88	38718	418.526	ug/l	99
51) 4-Methyl-2-Pentanone	8.568	43	537465	101.168	ug/l	99
52) Toluene	8.714	92	165321	18.447	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	103920	18.548	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	111636	18.417	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	70575	19.843	ug/l	97
56) Ethyl methacrylate	9.116	69	111333	19.065	ug/l	99
57) 1,3-Dichloropropane	9.305	76	122487	19.377	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	290423	96.501	ug/l	99
59) 2-Hexanone	9.427	43	407373	99.197	ug/l	99
60) Dibromochloromethane	9.519	129	70317	18.851	ug/l	100
61) 1,2-Dibromoethane	9.610	107	73069	19.038	ug/l	99
64) Tetrachloroethene	9.275	164	53078	17.571	ug/l	98
65) Chlorobenzene	10.080	112	177785	18.019	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	66889	18.614	ug/l	98
67) Ethyl Benzene	10.195	91	318140	18.011	ug/l	100
68) m/p-Xylenes	10.299	106	242607	35.755	ug/l	99
69) o-Xylene	10.640	106	122724	18.023	ug/l	99
70) Styrene	10.653	104	200974	18.294	ug/l	98
71) Bromoform	10.799	173	50600	18.293	ug/l #	98
73) Isopropylbenzene	10.964	105	315980	17.957	ug/l	99
74) N-amyl acetate	10.842	43	158925	18.857	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	114129	19.437	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	93344m	17.856	ug/l	
77) Bromobenzene	11.195	156	77878	18.447	ug/l	96
78) n-propylbenzene	11.305	91	369980	18.206	ug/l	100
79) 2-Chlorotoluene	11.366	91	226446	18.043	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	268649	18.202	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	32737	16.942	ug/l	97
82) 4-Chlorotoluene	11.457	91	264031	18.264	ug/l	98
83) tert-Butylbenzene	11.713	119	264301	17.761	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	272261	18.050	ug/l	99
85) sec-Butylbenzene	11.890	105	333077	18.309	ug/l	100
86) p-Isopropyltoluene	12.006	119	276076	18.056	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	147161	17.791	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	151601	18.125	ug/l	100
89) n-Butylbenzene	12.329	91	248580	18.288	ug/l	97
90) Hexachloroethane	12.536	117	48249	17.054	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	147459	18.447	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	23310	17.473	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	91747	18.353	ug/l	98
94) Hexachlorobutadiene	13.725	225	38231	18.984	ug/l	99
95) Naphthalene	13.774	128	336378	20.067	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	91193	18.662	ug/l	98

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

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