

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031423\
 Data File : VX034452.D
 Acq On : 14 Mar 2023 10:09
 Operator : JC/MD
 Sample : VX0314WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0314WBS01

Manual Integrations
 APPROVED

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

Quant Time: Mar 15 06:35:16 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	5.550	168	306280	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	515037	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	475440	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	239852	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	191305	42.934	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	85.860%		
35) Dibromofluoromethane	5.385	113	151513	44.556	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.120%		
50) Toluene-d8	8.647	98	581952	45.843	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.680%#		
62) 4-Bromofluorobenzene	11.079	95	223504	43.589	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.180%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	52054	18.231	ug/l	95
3) Chloromethane	1.307	50	74643	16.374	ug/l	97
4) Vinyl Chloride	1.374	62	70960	18.252	ug/l	97
5) Bromomethane	1.605	94	47500	24.215	ug/l	95
6) Chloroethane	1.685	64	45045	20.123	ug/l	98
7) Trichlorofluoromethane	1.886	101	112563	19.268	ug/l	100
8) Diethyl Ether	2.130	74	41350	19.390	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	61922	18.188	ug/l	99
10) Methyl Iodide	2.453	142	84469	18.898	ug/l	99
11) Tert butyl alcohol	2.953	59	82772	89.206	ug/l	99
12) 1,1-Dichloroethene	2.319	96	59074	17.619	ug/l	90
13) Acrolein	2.233	56	68936	93.913	ug/l	99
14) Allyl chloride	2.660	41	115411	16.978	ug/l	99
15) Acrylonitrile	3.063	53	188138	93.863	ug/l	99
16) Acetone	2.374	43	192958	91.934	ug/l	99
17) Carbon Disulfide	2.508	76	149516	15.846	ug/l	98
18) Methyl Acetate	2.703	43	125121	18.244	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	214784	17.891	ug/l	97
20) Methylene Chloride	2.788	84	71085	17.451	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	65850	18.493	ug/l	97
22) Diisopropyl ether	3.758	45	237523	18.327	ug/l	97
23) Vinyl Acetate	3.721	43	911941	92.454	ug/l	99
24) 1,1-Dichloroethane	3.611	63	124779	17.910	ug/l	99
25) 2-Butanone	4.556	43	281692	93.797	ug/l	97
26) 2,2-Dichloropropane	4.471	77	104889	17.320	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	76369	17.816	ug/l	99
28) Bromochloromethane	4.898	49	48549	14.987	ug/l	97
29) Tetrahydrofuran	5.001	42	174203	94.003	ug/l	99
30) Chloroform	5.099	83	126652	18.546	ug/l	98
31) Cyclohexane	5.471	56	111147	17.786	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	108608	17.965	ug/l	99
36) 1,1-Dichloropropene	5.690	75	90312	17.291	ug/l	99
37) Ethyl Acetate	4.715	43	104081	18.241	ug/l	98
38) Carbon Tetrachloride	5.678	117	91830	17.674	ug/l	96
39) Methylcyclohexane	7.379	83	113083	18.092	ug/l	95
40) Benzene	6.038	78	278001	18.195	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	57217	18.297	ug/l	99
42) 1,2-Dichloroethane	6.086	62	101523	18.079	ug/l	99
43) Isopropyl Acetate	6.336	43	175294	18.135	ug/l	100
44) Trichloroethene	7.123	130	69981	17.628	ug/l	96
45) 1,2-Dichloropropane	7.428	63	73186	18.345	ug/l	99
46) Dibromomethane	7.580	93	49438	18.228	ug/l	99
47) Bromodichloromethane	7.824	83	95352	18.165	ug/l	99
48) Methyl methacrylate	7.690	41	84796	18.240	ug/l	100
49) 1,4-Dioxane	7.659	88	38807	397.426	ug/l	100
51) 4-Methyl-2-Pentanone	8.574	43	550742	98.215	ug/l	99
52) Toluene	8.720	92	177709	18.786	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	105181	17.786	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	114521	17.899	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	72117	19.210	ug/l	97
56) Ethyl methacrylate	9.116	69	114170	18.522	ug/l	99
57) 1,3-Dichloropropane	9.305	76	125921	18.873	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	293718	92.463	ug/l	100
59) 2-Hexanone	9.427	43	420854	97.090	ug/l	99
60) Dibromochloromethane	9.519	129	72309	18.365	ug/l	99
61) 1,2-Dibromoethane	9.610	107	75529	18.644	ug/l	99
64) Tetrachloroethene	9.275	164	57558	18.022	ug/l	99
65) Chlorobenzene	10.080	112	187537	17.978	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	69037	18.171	ug/l	99
67) Ethyl Benzene	10.195	91	341089	18.265	ug/l	100
68) m/p-Xylenes	10.299	106	262990	36.660	ug/l	100
69) o-Xylene	10.640	106	128030	17.784	ug/l	98
70) Styrene	10.653	104	210649	18.136	ug/l	99
71) Bromoform	10.799	173	50788	17.366	ug/l #	99
73) Isopropylbenzene	10.964	105	339751	18.328	ug/l	100
74) N-amyl acetate	10.842	43	163523	18.417	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.214	83	116149	18.776	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	94934m	17.238	ug/l	
77) Bromobenzene	11.195	156	81726	18.375	ug/l	98
78) n-propylbenzene	11.305	91	399127	18.643	ug/l	100
79) 2-Chlorotoluene	11.366	91	241529	18.267	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	287285	18.476	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	33726	16.567	ug/l	95
82) 4-Chlorotoluene	11.451	91	277967	18.251	ug/l	99
83) tert-Butylbenzene	11.713	119	287654	18.349	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	287697	18.105	ug/l	100
85) sec-Butylbenzene	11.890	105	357749	18.666	ug/l	100
86) p-Isopropyltoluene	12.012	119	292416	18.154	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	155950	17.896	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	157402	17.863	ug/l	99
89) n-Butylbenzene	12.329	91	254954	17.804	ug/l	99
90) Hexachloroethane	12.536	117	52317	17.553	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	153017	18.170	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	23476	16.704	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	90964	17.272	ug/l	98
94) Hexachlorobutadiene	13.725	225	37106	17.489	ug/l	98
95) Naphthalene	13.774	128	312564	17.699	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	91328	17.741	ug/l	97

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

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