

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020923\
 Data File : VX034065.D
 Acq On : 07 Feb 2023 16:52
 Operator : JC/MD
 Sample : VX0209WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0209WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/08/2023
 Supervised By : Mahesh Dadoda 02/08/2023

Quant Time: Feb 07 17:16:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020423W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 03 23:25:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	131400	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	178534	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	156942	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	85300	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62477	49.320	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.640%		
35) Dibromofluoromethane	5.385	113	55171	48.555	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.120%		
50) Toluene-d8	8.647	98	196843	48.083	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.160%		
62) 4-Bromofluorobenzene	11.079	95	72271	49.429	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.860%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	21563	20.187	ug/l	98
3) Chloromethane	1.295	50	18329	18.183	ug/l	96
4) Vinyl Chloride	1.374	62	19002	18.000	ug/l	96
5) Bromomethane	1.605	94	11613	21.363	ug/l	92
6) Chloroethane	1.685	64	10840	18.569	ug/l	95
7) Trichlorofluoromethane	1.886	101	33078	19.694	ug/l	94
8) Diethyl Ether	2.130	74	11305	19.569	ug/l	86
9) 1,1,2-Trichlorotrifluo...	2.331	101	21579	19.243	ug/l	92
10) Methyl Iodide	2.453	142	29610	18.638	ug/l	94
11) Tert butyl alcohol	2.953	59	19073	107.468	ug/l #	82
12) 1,1-Dichloroethene	2.319	96	19580	18.199	ug/l	96
13) Acrolein	2.233	56	21482	90.245	ug/l	99
14) Allyl chloride	2.666	41	32108	18.304	ug/l	90
15) Acrylonitrile	3.063	53	54906	96.444	ug/l	99
16) Acetone	2.374	43	48273	90.225	ug/l	94
17) Carbon Disulfide	2.514	76	47094	17.253	ug/l	97
18) Methyl Acetate	2.703	43	33161	19.925	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	66640	20.087	ug/l	100
20) Methylene Chloride	2.788	84	23379	19.100	ug/l	90
21) trans-1,2-Dichloroethene	3.093	96	21792	18.597	ug/l	97
22) Diisopropyl ether	3.758	45	67266	19.432	ug/l	94
23) Vinyl Acetate	3.721	43	257199	97.571	ug/l	98
24) 1,1-Dichloroethane	3.611	63	38518	19.304	ug/l	99
25) 2-Butanone	4.550	43	72773	93.410	ug/l	93
26) 2,2-Dichloropropane	4.471	77	27828	19.119	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	26186	19.427	ug/l	96
28) Bromochloromethane	4.898	49	14938	17.028	ug/l	87
29) Tetrahydrofuran	5.001	42	46424	93.692	ug/l	93
30) Chloroform	5.093	83	40496	19.474	ug/l	97
31) Cyclohexane	5.465	56	34632	18.773	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	35668	19.916	ug/l	96
36) 1,1-Dichloropropene	5.696	75	29969	19.237	ug/l	98
37) Ethyl Acetate	4.709	43	27515	18.960	ug/l	99
38) Carbon Tetrachloride	5.672	117	32703	19.683	ug/l	97
39) Methylcyclohexane	7.379	83	37397	19.071	ug/l	93
40) Benzene	6.038	78	87342	19.377	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	16250	19.897	ug/l	96
42) 1,2-Dichloroethane	6.086	62	32155	20.993	ug/l	99
43) Isopropyl Acetate	6.336	43	44467	19.647	ug/l	97
44) Trichloroethene	7.129	130	27024	19.507	ug/l	93
45) 1,2-Dichloropropane	7.428	63	21962	19.734	ug/l	97
46) Dibromomethane	7.580	93	16517	20.716	ug/l	94
47) Bromodichloromethane	7.818	83	30033	19.878	ug/l	98
48) Methyl methacrylate	7.690	41	23236	19.884	ug/l	94
49) 1,4-Dioxane	7.665	88	10471	465.519	ug/l #	95
51) 4-Methyl-2-Pentanone	8.568	43	142812	100.597	ug/l	97
52) Toluene	8.720	92	57891	19.818	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	30602	20.149	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	33549	19.415	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	23492	20.134	ug/l	97
56) Ethyl methacrylate	9.116	69	33410	20.501	ug/l	96
57) 1,3-Dichloropropane	9.305	76	38516	20.207	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	72076	95.058	ug/l	96
59) 2-Hexanone	9.427	43	105527	101.575	ug/l	97
60) Dibromochloromethane	9.519	129	26449	20.453	ug/l	98
61) 1,2-Dibromoethane	9.610	107	25138	20.036	ug/l	96
64) Tetrachloroethene	9.275	164	25931	19.788	ug/l	96
65) Chlorobenzene	10.080	112	65462	20.196	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	24336	19.869	ug/l	99
67) Ethyl Benzene	10.195	91	109811	20.016	ug/l	100
68) m/p-Xylenes	10.299	106	88632	40.417	ug/l	99
69) o-Xylene	10.640	106	42378	20.121	ug/l	96
70) Styrene	10.653	104	71376	20.577	ug/l	99
71) Bromoform	10.799	173	20756	20.775	ug/l #	100
73) Isopropylbenzene	10.964	105	114595	20.102	ug/l	100
74) N-amyl acetate	10.842	43	36584	19.480	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.214	83	34082	19.870	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	30892m	21.091	ug/l	
77) Bromobenzene	11.195	156	31659	20.027	ug/l	96
78) n-propylbenzene	11.305	91	125485	19.908	ug/l	100
79) 2-Chlorotoluene	11.366	91	74588	19.543	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	96198	20.273	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8697	18.286	ug/l	97
82) 4-Chlorotoluene	11.451	91	86995	20.153	ug/l	99
83) tert-Butylbenzene	11.713	119	97263	19.840	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	96496	20.355	ug/l	98
85) sec-Butylbenzene	11.890	105	118059	20.128	ug/l	100
86) p-Isopropyltoluene	12.006	119	104263	20.267	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	57494	19.821	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	57181	19.417	ug/l	98
89) n-Butylbenzene	12.329	91	80033	19.843	ug/l	99
90) Hexachloroethane	12.536	117	15505	19.145	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	55817	19.731	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	6671	19.778	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	39778	19.901	ug/l	98
94) Hexachlorobutadiene	13.725	225	18841	19.043	ug/l	98
95) Naphthalene	13.774	128	110625	20.144	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	40117	19.981	ug/l	99

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

