

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061223\
 Data File : VX036120.D
 Acq On : 12 Jun 2023 14:04
 Operator : JC/MD
 Sample : VX0612WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/13/2023
 Supervised By : Mahesh Dadoda 06/13/2023

Quant Time: Jun 13 04:48:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053123W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 31 12:50:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	179492	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	317843	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	293221	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	140471	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	160974	55.229	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 110.460%			
35) Dibromofluoromethane	5.385	113	110815	51.836	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.680%			
50) Toluene-d8	8.647	98	389523	50.769	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.540%			
62) 4-Bromofluorobenzene	11.079	95	162416	53.625	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.240%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	36714	18.721	ug/l	98
3) Chloromethane	1.294	50	37215	16.602	ug/l	100
4) Vinyl Chloride	1.374	62	36271	17.226	ug/l	98
5) Bromomethane	1.611	94	22588	16.288	ug/l	94
6) Chloroethane	1.691	64	24466	19.734	ug/l	94
7) Trichlorofluoromethane	1.886	101	57780	19.502	ug/l	96
8) Diethyl Ether	2.130	74	23804	18.499	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.325	101	36076	19.619	ug/l	98
10) Methyl Iodide	2.453	142	33129	15.305	ug/l	98
11) Tert butyl alcohol	3.020	59	54362	105.022	ug/l	99
12) 1,1-Dichloroethene	2.319	96	32537	18.069	ug/l	96
13) Acrolein	2.239	56	65340	131.046	ug/l	99
14) Allyl chloride	2.666	41	66680	18.013	ug/l	100
15) Acrylonitrile	3.068	53	122233	100.506	ug/l	99
16) Acetone	2.398	43	113299	94.221	ug/l	97
17) Carbon Disulfide	2.514	76	67241	14.902	ug/l	98
18) Methyl Acetate	2.709	43	100208	21.436	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	142209	20.161	ug/l	99
20) Methylene Chloride	2.788	84	43171	18.638	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	35225	17.112	ug/l	97
22) Diisopropyl ether	3.757	45	144155	20.021	ug/l	99
23) Vinyl Acetate	3.721	43	530141	104.800	ug/l	98
24) 1,1-Dichloroethane	3.605	63	76775	19.225	ug/l	99
25) 2-Butanone	4.568	43	175839	102.168	ug/l	98
26) 2,2-Dichloropropane	4.471	77	59780	19.639	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	44669	18.081	ug/l	100
28) Bromochloromethane	4.891	49	50088	23.952	ug/l	99
29) Tetrahydrofuran	5.013	42	112089	101.065	ug/l	99
30) Chloroform	5.093	83	81639	19.848	ug/l	94
31) Cyclohexane	5.464	56	56922	18.652	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	67707	19.479	ug/l	98
36) 1,1-Dichloropropene	5.690	75	54040	18.959	ug/l	100
37) Ethyl Acetate	4.721	43	68849	21.689	ug/l	98
38) Carbon Tetrachloride	5.672	117	55199	19.872	ug/l	98
39) Methylcyclohexane	7.379	83	56446	18.980	ug/l	99
40) Benzene	6.037	78	157379	18.396	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	39703	22.047	ug/l	98
42) 1,2-Dichloroethane	6.086	62	74419	21.967	ug/l	100
43) Isopropyl Acetate	6.336	43	112263	21.508	ug/l	99
44) Trichloroethene	7.123	130	39906	17.982	ug/l	93
45) 1,2-Dichloropropane	7.427	63	43802	19.453	ug/l	96
46) Dibromomethane	7.580	93	31876	20.380	ug/l	100
47) Bromodichloromethane	7.818	83	58604	19.919	ug/l	100
48) Methyl methacrylate	7.690	41	56693	22.148	ug/l	99
49) 1,4-Dioxane	7.732	88	22619	385.829	ug/l #	55
51) 4-Methyl-2-Pentanone	8.574	43	365332	114.663	ug/l	99
52) Toluene	8.720	92	101955	18.956	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	61989	19.931	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	67115	19.541	ug/l	100
55) 1,1,2-Trichloroethane	9.153	97	45224	20.182	ug/l	98
56) Ethyl methacrylate	9.116	69	66986	19.995	ug/l	96
57) 1,3-Dichloropropane	9.305	76	78349	20.317	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	196127	111.727	ug/l	100
59) 2-Hexanone	9.427	43	270729	114.933	ug/l	98
60) Dibromochloromethane	9.519	129	41225	18.951	ug/l	97
61) 1,2-Dibromoethane	9.610	107	46382	20.247	ug/l	99
64) Tetrachloroethene	9.275	164	32316	17.538	ug/l	97
65) Chlorobenzene	10.079	112	110918	18.747	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	39389	18.929	ug/l	99
67) Ethyl Benzene	10.195	91	197722	18.777	ug/l	99
68) m/p-Xylenes	10.299	106	151039	37.809	ug/l	99
69) o-Xylene	10.640	106	73693	18.357	ug/l	97
70) Styrene	10.652	104	123163	18.988	ug/l	99
71) Bromoform	10.799	173	27400	19.012	ug/l #	97
73) Isopropylbenzene	10.963	105	195301	19.132	ug/l	100
74) N-amyl acetate	10.841	43	94287	21.191	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	71191	20.388	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	62482m	19.721	ug/l	
77) Bromobenzene	11.195	156	45393	17.982	ug/l	97
78) n-propylbenzene	11.305	91	230211	19.982	ug/l	99
79) 2-Chlorotoluene	11.366	91	143891	19.177	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	168795	19.613	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	17280	18.371	ug/l	95
82) 4-Chlorotoluene	11.451	91	168258	19.538	ug/l	99
83) tert-Butylbenzene	11.713	119	160177	19.481	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	172363	19.515	ug/l	99
85) sec-Butylbenzene	11.890	105	197689	20.270	ug/l	99
86) p-Isopropyltoluene	12.006	119	167833	20.129	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	86845	18.781	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	88229	18.112	ug/l	98
89) n-Butylbenzene	12.335	91	145090	20.597	ug/l	99
90) Hexachloroethane	12.536	117	25535	19.312	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	85038	18.474	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	14672	20.360	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	49140	18.344	ug/l	100
94) Hexachlorobutadiene	13.725	225	19187	18.829	ug/l	98
95) Naphthalene	13.774	128	178010	19.093	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	48997	18.543	ug/l	98

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

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