

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061323\
 Data File : VX036148.D
 Acq On : 13 Jun 2023 16:49
 Operator : JC/MD
 Sample : 03173-11MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OW-06B-74-79-061223MSD

Quant Time: Jun 14 00:57:03 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

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/14/2023
 Supervised By : Mahesh Dadoda 06/14/2023

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	195254	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	345566	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	310623	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	144233	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	172259	54.329	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.660%			
35) Dibromofluoromethane	5.385	113	118623	51.037	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.080%			
50) Toluene-d8	8.647	98	417374	50.035	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.080%			
62) 4-Bromofluorobenzene	11.079	95	165786	50.346	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.700%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	96022	45.011	ug/l	100
3) Chloromethane	1.294	50	99967	40.997	ug/l	98
4) Vinyl Chloride	1.374	62	102591	44.790	ug/l	99
5) Bromomethane	1.617	94	62084	41.154	ug/l	97
6) Chloroethane	1.691	64	65842	48.820	ug/l	98
7) Trichlorofluoromethane	1.886	101	169235	52.508	ug/l	95
8) Diethyl Ether	2.136	74	66524	47.526	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	97747	48.865	ug/l	100
10) Methyl Iodide	2.453	142	105358	44.744	ug/l	98
11) Tert butyl alcohol	3.007	59	134907	239.587	ug/l #	90
12) 1,1-Dichloroethene	2.319	96	161248	82.318	ug/l	98
13) Acrolein	2.239	56	107326	197.877	ug/l	100
14) Allyl chloride	2.666	41	193600	48.079	ug/l	98
15) Acrylonitrile	3.068	53	340283	257.211	ug/l	99
16) Acetone	2.398	43	305348	233.434	ug/l	98
17) Carbon Disulfide	2.514	76	199212	40.586	ug/l	100
18) Methyl Acetate	2.709	43	262198	51.560	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	400566	52.203	ug/l	100
20) Methylene Chloride	2.788	84	115546	45.857	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	119729	53.469	ug/l	97
22) Diisopropyl ether	3.757	45	410154	52.367	ug/l	95
23) Vinyl Acetate	3.721	43	1417784	257.647	ug/l	100
24) 1,1-Dichloroethane	3.611	63	233968	53.859	ug/l	99
25) 2-Butanone	4.568	43	481446	257.154	ug/l	99
26) 2,2-Dichloropropane	4.477	77	163617	49.413	ug/l	94
27) cis-1,2-Dichloroethene	4.489	96	234527	87.266	ug/l	95
28) Bromochloromethane	4.897	49	119358	52.468	ug/l	99
29) Tetrahydrofuran	5.013	42	313062	259.485	ug/l	100
30) Chloroform	5.099	83	231218	51.675	ug/l	98
31) Cyclohexane	5.470	56	162133	48.839	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	197921	52.345	ug/l	100
36) 1,1-Dichloropropene	5.690	75	154584	49.882	ug/l	99
37) Ethyl Acetate	4.714	43	183475	53.161	ug/l	99
38) Carbon Tetrachloride	5.678	117	165033	54.646	ug/l	97
39) Methylcyclohexane	7.379	83	156568	48.422	ug/l	98
40) Benzene	6.037	78	458735	49.321	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	114252	58.354	ug/l	98
42) 1,2-Dichloroethane	6.086	62	213325	57.917	ug/l	100
43) Isopropyl Acetate	6.342	43	312988	55.153	ug/l	99
44) Trichloroethene	7.123	130	182429	75.609	ug/l	99
45) 1,2-Dichloropropane	7.427	63	123959	50.636	ug/l	99
46) Dibromomethane	7.580	93	88432	52.002	ug/l	99
47) Bromodichloromethane	7.824	83	177281	55.421	ug/l	99
48) Methyl methacrylate	7.690	41	159178	57.197	ug/l	99
49) 1,4-Dioxane	7.714	88	54568	856.133	ug/l	97
51) 4-Methyl-2-Pentanone	8.573	43	989360	285.610	ug/l	100
52) Toluene	8.720	92	288519	49.340	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	186669	55.204	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	193167	51.731	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	125018	51.315	ug/l	99
56) Ethyl methacrylate	9.116	69	198253	54.430	ug/l	99
57) 1,3-Dichloropropane	9.305	76	217683	51.919	ug/l	100
59) 2-Hexanone	9.433	43	743342	290.256	ug/l	98
60) Dibromochloromethane	9.518	129	124894	52.808	ug/l	99
61) 1,2-Dibromoethane	9.610	107	128763	51.699	ug/l	99
64) Tetrachloroethene	9.275	164	86038	44.077	ug/l	99
65) Chlorobenzene	10.079	112	308036	49.147	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	118438	53.728	ug/l	97
67) Ethyl Benzene	10.195	91	560981	50.290	ug/l	99
68) m/p-Xylenes	10.299	106	414226	97.882	ug/l	100
69) o-Xylene	10.640	106	207720	48.846	ug/l	100
70) Styrene	10.652	104	350527	51.013	ug/l	99
71) Bromoform	10.799	173	79282	51.930	ug/l #	100
73) Isopropylbenzene	10.963	105	543603	51.865	ug/l	99
74) N-amyl acetate	10.841	43	254589	55.728	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	191316	53.361	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	165357m	50.831	ug/l	
77) Bromobenzene	11.195	156	122907	47.419	ug/l	96
78) n-propylbenzene	11.305	91	622944	52.659	ug/l	100
79) 2-Chlorotoluene	11.366	91	393104	51.025	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	459634	52.014	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	53200	55.084	ug/l	98
82) 4-Chlorotoluene	11.451	91	450801	50.981	ug/l	100
83) tert-Butylbenzene	11.713	119	441201	52.260	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	455081	50.180	ug/l	100
85) sec-Butylbenzene	11.890	105	523849	52.313	ug/l	100
86) p-Isopropyltoluene	12.006	119	442576	51.695	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	229237	48.281	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	232347	46.454	ug/l	99
89) n-Butylbenzene	12.329	91	375575	51.926	ug/l	100
90) Hexachloroethane	12.536	117	73668	54.263	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	229342	48.523	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	44117	59.625	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	127895	46.498	ug/l	100
94) Hexachlorobutadiene	13.725	225	48307	46.169	ug/l	97
95) Naphthalene	13.774	128	496659	51.880	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	129730	47.815	ug/l	98

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

