

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050523\
 Data File : VX035548.D
 Acq On : 05 May 2023 19:54
 Operator : JC/MD
 Sample : 02597-06MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1-20230503MSD

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/08/2023
 Supervised By : Mahesh Dadoda 05/08/2023

Quant Time: May 08 00:53:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	202569	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	373363	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	335342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	158676	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	142602	58.351	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	116.700%		
35) Dibromofluoromethane	5.385	113	113160	49.380	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.760%		
50) Toluene-d8	8.653	98	357831	41.393	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	82.780%#		
62) 4-Bromofluorobenzene	11.079	95	140234	43.123	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	86.240%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	87291	40.725	ug/l	97
3) Chloromethane	1.294	50	112999	57.952	ug/l	98
4) Vinyl Chloride	1.373	62	102499	52.411	ug/l	99
5) Bromomethane	1.611	94	55540	42.729	ug/l	99
6) Chloroethane	1.684	64	58188	50.873	ug/l	99
7) Trichlorofluoromethane	1.885	101	130865	42.790	ug/l	99
8) Diethyl Ether	2.135	74	74677	66.971	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.330	101	80230	39.278	ug/l	96
10) Methyl Iodide	2.452	142	150180	58.256	ug/l	98
11) Tert butyl alcohol	2.971	59	205728	462.330	ug/l	98
12) 1,1-Dichloroethene	2.318	96	95135	48.355	ug/l	97
13) Acrolein	2.239	56	126230	288.455	ug/l	100
14) Allyl chloride	2.666	41	221811	64.064	ug/l	94
15) Acrylonitrile	3.062	53	457888	411.421	ug/l	99
16) Acetone	2.379	43	451179	425.073	ug/l	100
17) Carbon Disulfide	2.513	76	235950	50.027	ug/l	100
18) Methyl Acetate	2.702	43	336354	81.948	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	488953	72.440	ug/l	97
20) Methylene Chloride	2.788	84	148195	60.891	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	118153	55.294	ug/l	96
22) Diisopropyl ether	3.757	45	475794	69.444	ug/l	95
23) Vinyl Acetate	3.720	43	1746193	370.779	ug/l	99
24) 1,1-Dichloroethane	3.611	63	243739	63.157	ug/l	99
25) 2-Butanone	4.556	43	664846	429.143	ug/l	95
26) 2,2-Dichloropropane	4.476	77	148638	49.161	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	158504	63.106	ug/l	93
28) Bromochloromethane	4.897	49	119296	72.536	ug/l	91
29) Tetrahydrofuran	5.001	42	423797	426.725	ug/l	98
30) Chloroform	5.092	83	251017	64.430	ug/l	100
31) Cyclohexane	5.464	56	143112	41.281	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	184355	53.994	ug/l	98
36) 1,1-Dichloropropene	5.696	75	144099	40.271	ug/l	97
37) Ethyl Acetate	4.714	43	235225	71.976	ug/l	98
38) Carbon Tetrachloride	5.677	117	142744	42.023	ug/l	98
39) Methylcyclohexane	7.378	83	135917	31.206	ug/l	99
40) Benzene	6.037	78	545958	53.188	ug/l	99

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41) Methacrylonitrile	4.915	41	132996	71.021	ug/l	97
42) 1,2-Dichloroethane	6.086	62	216256	59.089	ug/l	98
43) Isopropyl Acetate	6.336	43	377719	68.784	ug/l	97
44) Trichloroethene	7.122	130	131878	46.638	ug/l	96
45) 1,2-Dichloropropane	7.427	63	146004	56.419	ug/l	98
46) Dibromomethane	7.580	93	106657	60.017	ug/l	94
47) Bromodichloromethane	7.823	83	191240	58.407	ug/l	99
48) Methyl methacrylate	7.689	41	190652	70.777	ug/l	94
49) 1,4-Dioxane	7.689	88	92527	1409.190	ug/l	96
51) 4-Methyl-2-Pentanone	8.573	43	1247306	369.710	ug/l	97
52) Toluene	8.720	92	321541	49.419	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	211848	61.955	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	227922	58.972	ug/l	94
55) 1,1,2-Trichloroethane	9.152	97	152447	58.774	ug/l	98
56) Ethyl methacrylate	9.116	69	255726	66.184	ug/l	92
57) 1,3-Dichloropropane	9.311	76	261332	58.905	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.372	63	1229	0.636	ug/l #	47
59) 2-Hexanone	9.433	43	945476	373.040	ug/l	95
60) Dibromochloromethane	9.524	129	151810	61.087	ug/l	100
61) 1,2-Dibromoethane	9.610	107	162412	60.739	ug/l	100
64) Tetrachloroethene	9.274	164	93479	36.407	ug/l	97
65) Chlorobenzene	10.079	112	347353	47.876	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.164	131	136213	53.946	ug/l	98
67) Ethyl Benzene	10.195	91	567495	45.167	ug/l	99
68) m/p-Xylenes	10.299	106	440549	91.506	ug/l	98
69) o-Xylene	10.640	106	228606	48.423	ug/l	98
70) Styrene	10.652	104	386626	50.509	ug/l	98
71) Bromoform	10.798	173	111414	63.437	ug/l	99
73) Isopropylbenzene	10.963	105	521264	44.940	ug/l	100
74) N-amyl acetate	10.841	43	307605	70.568	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	238309	66.194	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	196761m	62.163	ug/l	
77) Bromobenzene	11.201	156	153381	53.197	ug/l	92
78) n-propylbenzene	11.304	91	575512	43.202	ug/l	98
79) 2-Chlorotoluene	11.365	91	388826	46.710	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	454136	46.434	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	65106	66.620	ug/l	99
82) 4-Chlorotoluene	11.451	91	449053	48.030	ug/l	97
83) tert-Butylbenzene	11.713	119	447399	45.592	ug/l	93
84) 1,2,4-Trimethylbenzene	11.750	105	472222	48.054	ug/l	100
85) sec-Butylbenzene	11.890	105	479757	39.857	ug/l	99
86) p-Isopropyltoluene	12.012	119	425334	41.547	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	269979	49.272	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	268392	46.717	ug/l	99
89) n-Butylbenzene	12.335	91	335026	38.766	ug/l	99
90) Hexachloroethane	12.536	117	68260	43.557	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	272951	49.806	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.944	75	54851	75.981	ug/l	87
93) 1,2,4-Trichlorobenzene	13.585	180	161757	46.957	ug/l	98
94) Hexachlorobutadiene	13.725	225	51116	33.811	ug/l	99
95) Naphthalene	13.774	128	1125156	106.100	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	164495	47.436	ug/l	98

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

