

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050823\
 Data File : VX035568.D
 Acq On : 08 May 2023 18:21
 Operator : JC/MD
 Sample : 02597-06MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1-20230503MSD

Quant Time: May 09 03:48:31 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

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/09/2023
 Supervised By : Mahesh Dadoda 05/09/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	204658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	360134	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	333474	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	161179	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	136430	55.255	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 110.520%			
35) Dibromofluoromethane	5.385	113	111422	50.408	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.820%			
50) Toluene-d8	8.647	98	375729	45.060	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 90.120%#			
62) 4-Bromofluorobenzene	11.079	95	151879	48.419	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.840%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	89708	41.425	ug/l	98
3) Chloromethane	1.294	50	91773	46.586	ug/l	99
4) Vinyl Chloride	1.374	62	90901	46.006	ug/l	97
5) Bromomethane	1.618	94	57062	43.452	ug/l	97
6) Chloroethane	1.691	64	53510	46.306	ug/l	98
7) Trichlorofluoromethane	1.886	101	144386	46.730	ug/l	98
8) Diethyl Ether	2.130	74	67331	59.767	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	90197	43.706	ug/l	94
10) Methyl Iodide	2.453	142	154992	59.508	ug/l	97
11) Tert butyl alcohol	2.995	59	199915	444.681	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	101389	51.007	ug/l	97
13) Acrolein	2.239	56	133405	301.739	ug/l	99
14) Allyl chloride	2.666	41	214080	61.200	ug/l	96
15) Acrylonitrile	3.069	53	433318	385.370	ug/l	99
16) Acetone	2.392	43	421586	393.138	ug/l	98
17) Carbon Disulfide	2.514	76	246384	51.706	ug/l	100
18) Methyl Acetate	2.703	43	323878	78.103	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	469146	68.796	ug/l	98
20) Methylene Chloride	2.788	84	142104	57.792	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	122092	56.555	ug/l	96
22) Diisopropyl ether	3.757	45	444729	64.247	ug/l	97
23) Vinyl Acetate	3.721	43	1664325	349.789	ug/l	98
24) 1,1-Dichloroethane	3.611	63	237992	61.038	ug/l	100
25) 2-Butanone	4.562	43	627483	400.891	ug/l	94
26) 2,2-Dichloropropane	4.477	77	164601	53.885	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	157368	62.014	ug/l	93
28) Bromochloromethane	4.897	49	106216	63.924	ug/l	86
29) Tetrahydrofuran	5.007	42	392490	391.168	ug/l	95
30) Chloroform	5.093	83	254877	64.753	ug/l	99
31) Cyclohexane	5.471	56	155681	44.449	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	198023	57.406	ug/l	97
36) 1,1-Dichloropropene	5.696	75	159832	46.309	ug/l	98
37) Ethyl Acetate	4.715	43	220549	69.964	ug/l	96
38) Carbon Tetrachloride	5.678	117	162508	49.599	ug/l	96
39) Methylcyclohexane	7.379	83	151653	36.097	ug/l	97
40) Benzene	6.037	78	552663	55.819	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	127605	70.646	ug/l	98
42) 1,2-Dichloroethane	6.086	62	211703	59.970	ug/l	98
43) Isopropyl Acetate	6.342	43	358384	67.660	ug/l	96
44) Trichloroethene	7.123	130	139403	51.110	ug/l	95
45) 1,2-Dichloropropane	7.434	63	142537	57.103	ug/l	99
46) Dibromomethane	7.580	93	105263	61.409	ug/l	94
47) Bromodichloromethane	7.824	83	195283	61.833	ug/l	98
48) Methyl methacrylate	7.690	41	180573	69.498	ug/l	93
49) 1,4-Dioxane	7.708	88	86780	1370.212	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	1164503	357.846	ug/l	96
52) Toluene	8.720	92	340101	54.191	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	215422	65.314	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	229627	61.595	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	152936	61.128	ug/l	97
56) Ethyl methacrylate	9.116	69	245973	65.998	ug/l	91
57) 1,3-Dichloropropane	9.311	76	256785	60.006	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.366	63	1236	0.663	ug/l #	47
59) 2-Hexanone	9.433	43	899939	368.116	ug/l	95
60) Dibromochloromethane	9.519	129	157172	65.568	ug/l	100
61) 1,2-Dibromoethane	9.610	107	162816	63.127	ug/l	100
64) Tetrachloroethene	9.275	164	107500	42.102	ug/l	98
65) Chlorobenzene	10.079	112	373021	51.702	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	144162	57.414	ug/l	98
67) Ethyl Benzene	10.195	91	628410	50.295	ug/l	99
68) m/p-Xylenes	10.299	106	483571	101.004	ug/l	99
69) o-Xylene	10.640	106	247273	52.670	ug/l	99
70) Styrene	10.653	104	419923	55.166	ug/l	97
71) Bromoform	10.799	173	116532	66.722	ug/l	99
73) Isopropylbenzene	10.963	105	590350	50.106	ug/l	100
74) N-amyl acetate	10.842	43	299822	67.715	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	233709	63.908	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	193896m	60.307	ug/l	
77) Bromobenzene	11.201	156	166938	57.000	ug/l	91
78) n-propylbenzene	11.305	91	655345	48.431	ug/l	99
79) 2-Chlorotoluene	11.366	91	428431	50.668	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	507921	51.127	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	65331	65.812	ug/l	98
82) 4-Chlorotoluene	11.451	91	498932	52.536	ug/l	98
83) tert-Butylbenzene	11.713	119	503469	50.509	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	520321	52.126	ug/l	100
85) sec-Butylbenzene	11.890	105	543192	44.426	ug/l	99
86) p-Isopropyltoluene	12.012	119	482924	46.440	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	292767	52.601	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	294154	50.407	ug/l	99
89) n-Butylbenzene	12.335	91	382672	43.592	ug/l	99
90) Hexachloroethane	12.536	117	80087	50.311	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	296472	53.258	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	55137	75.191	ug/l	86
93) 1,2,4-Trichlorobenzene	13.591	180	174916	49.989	ug/l	98
94) Hexachlorobutadiene	13.725	225	58340	37.990	ug/l	99
95) Naphthalene	13.774	128	1137027	105.554	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	176831	50.202	ug/l	99

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

