

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092922\
 Data File : VX031803.D
 Acq On : 30 Sep 2022 06:30
 Operator : JC/MD
 Sample : N4864-07MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-12MSD

Quant Time: Sep 30 08:10:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 27 01:44:18 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/30/2022
 Supervised By : Mahesh Dadoda 10/06/2022

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	81534	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	122550	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	140785	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	115076	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	65770	38.007	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	76.020%		
35) Dibromofluoromethane	5.385	113	64399	44.103	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.200%		
50) Toluene-d8	8.647	98	226328	42.753	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	85.500%#		
62) 4-Bromofluorobenzene	11.079	95	89621	46.189	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.380%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	51217	51.615	ug/l	97
3) Chloromethane	1.288	50	42049	47.865	ug/l	98
4) Vinyl Chloride	1.374	62	56247	41.189	ug/l	97
5) Bromomethane	1.611	94	50106	39.709	ug/l	100
6) Chloroethane	1.685	64	52445	31.853	ug/l	97
7) Trichlorofluoromethane	1.886	101	126027	36.488	ug/l	100
8) Diethyl Ether	2.130	74	42436	43.830	ug/l	76
9) 1,1,2-Trichlorotrifluo...	2.325	101	55931	51.606	ug/l	90
10) Methyl Iodide	2.453	142	55256	52.013	ug/l	99
11) Tert butyl alcohol	2.989	59	43741	189.802	ug/l	98
12) 1,1-Dichloroethene	2.319	96	49909	60.552	ug/l	83
13) Acrolein	2.239	56	21164	198.911	ug/l	98
14) Allyl chloride	2.660	41	60729	42.588	ug/l #	91
15) Acrylonitrile	3.068	53	131012	218.146	ug/l	99
16) Acetone	2.386	43	103740	259.643	ug/l	94
17) Carbon Disulfide	2.508	76	93041	51.241	ug/l	100
18) Methyl Acetate	2.703	43	61760	39.716	ug/l #	87
19) Methyl tert-butyl Ether	3.111	73	190408	49.471	ug/l	95
20) Methylene Chloride	2.788	84	59240	54.279	ug/l #	83
21) trans-1,2-Dichloroethene	3.093	96	59382	49.561	ug/l	86
22) Diisopropyl ether	3.763	45	155965	42.498	ug/l #	89
23) Vinyl Acetate	3.721	43	544509	187.605	ug/l #	89
24) 1,1-Dichloroethane	3.611	63	99713	47.128	ug/l	97
25) 2-Butanone	4.562	43	166904	202.062	ug/l #	88
26) 2,2-Dichloropropane	4.471	77	58874	34.284	ug/l	91
27) cis-1,2-Dichloroethene	4.489	96	74500	50.770	ug/l	79
28) Bromochloromethane	4.897	49	38885	39.287	ug/l #	56
29) Tetrahydrofuran	5.007	42	106864	205.945	ug/l #	79
30) Chloroform	5.092	83	125094	48.061	ug/l	99
31) Cyclohexane	5.470	56	73921	44.926	ug/l #	78
32) 1,1,1-Trichloroethane	5.385	97	113060	52.445	ug/l	95
36) 1,1-Dichloropropene	5.696	75	79411	47.355	ug/l	94
37) Ethyl Acetate	4.714	43	61509	36.364	ug/l #	94
38) Carbon Tetrachloride	5.678	117	102207	54.081	ug/l	98
39) Methylcyclohexane	7.379	83	90397	47.312	ug/l	88
40) Benzene	6.037	78	243871	47.350	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	35794	41.588	ug/l #	84
42) 1,2-Dichloroethane	6.086	62	89740	45.052	ug/l	96
43) Isopropyl Acetate	6.342	43	104112	39.108	ug/l #	89
44) Trichloroethene	7.129	130	77131	53.020	ug/l	85
45) 1,2-Dichloropropane	7.427	63	59109	47.288	ug/l	94
46) Dibromomethane	7.580	93	50373	50.180	ug/l #	88
47) Bromodichloromethane	7.824	83	94912	52.395	ug/l	97
48) Methyl methacrylate	7.690	41	53497	45.693	ug/l #	85
49) 1,4-Dioxane	7.696	88	26749	936.489	ug/l #	85
51) 4-Methyl-2-Pentanone	8.574	43	363595	215.773	ug/l	91
52) Toluene	8.720	92	176644	51.452	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	87826	42.281	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	92822	49.307	ug/l #	86
55) 1,1,2-Trichloroethane	9.153	97	76414	51.696	ug/l	95
56) Ethyl methacrylate	9.116	69	97754	51.689	ug/l #	84
57) 1,3-Dichloropropane	9.311	76	114423	48.880	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.366	63	536	0.576	ug/l #	46
59) 2-Hexanone	9.433	43	266437	211.919	ug/l	89
60) Dibromochloromethane	9.518	129	87236	50.529	ug/l	99
61) 1,2-Dibromoethane	9.610	107	83086	55.373	ug/l	100
64) Tetrachloroethene	9.275	164	76142	50.599	ug/l	97
65) Chlorobenzene	10.079	112	208653	53.198	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	82115	58.186	ug/l	98
67) Ethyl Benzene	10.195	91	342090	51.272	ug/l	97
68) m/p-Xylenes	10.305	106	288149	107.485	ug/l	91
69) o-Xylene	10.640	106	143166	54.637	ug/l	90
70) Styrene	10.659	104	230410	54.020	ug/l	95
71) Bromoform	10.799	173	63198	52.019	ug/l #	99
73) Isopropylbenzene	10.963	105	374664	50.344	ug/l	98
74) N-amyl acetate	10.841	43	90768	37.600	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	11.213	83	110242	46.621	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	93781m	44.953	ug/l	
77) Bromobenzene	11.201	156	100450	53.096	ug/l	84
78) n-propylbenzene	11.305	91	406447	49.080	ug/l	95
79) 2-Chlorotoluene	11.366	91	245399	47.988	ug/l	94
80) 1,3,5-Trimethylbenzene	11.451	105	320580	50.817	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	24115	39.977	ug/l	98
82) 4-Chlorotoluene	11.457	91	289032	48.923	ug/l	93
83) tert-Butylbenzene	11.713	119	334443	54.975	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	320265	51.289	ug/l	96
85) sec-Butylbenzene	11.890	105	387700	50.147	ug/l	97
86) p-Isopropyltoluene	12.012	119	344012	51.598	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	193658	52.802	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	201450	52.474	ug/l	97
89) n-Butylbenzene	12.335	91	261768	48.063	ug/l	97
90) Hexachloroethane	12.536	117	55251	51.680	ug/l	87
91) 1,2-Dichlorobenzene	12.335	146	195336	53.183	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	22874	48.275	ug/l	68
93) 1,2,4-Trichlorobenzene	13.591	180	120790	56.237	ug/l	97
94) Hexachlorobutadiene	13.725	225	43124	51.488	ug/l	99
95) Naphthalene	13.774	128	406775	56.697	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	122288	55.476	ug/l	98

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

