

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051921\
 Data File : VX022092.D
 Acq On : 19 May 2021 16:59
 Operator : JC/MD
 Sample : M2262-07 2.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-SOIL-01-QT2-202

Manual Integrations
 APPROVED

MMDadoda
 5/21/2021 1:50:15 PM

Quant Time: May 20 04:58:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 20 04:41:33 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	87394	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	170768	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	152352	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	65703	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	62486	46.35	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.70%		
35) Dibromofluoromethane	5.397	113	49316	45.54	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.08%		
50) Toluene-d8	8.653	98	188688	45.23	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	90.46%#		
62) 4-Bromofluorobenzene	11.085	95	69273	44.93	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.86%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	2570	2.42	ug/l	89
3) Chloromethane	1.294	50	3024	2.64	ug/l	96
4) Vinyl Chloride	1.373	62	2874	2.37	ug/l #	87
5) Bromomethane	1.611	94	2054	2.91	ug/l	91
6) Chloroethane	1.684	64	2074	2.87	ug/l	96
7) Trichlorofluoromethane	1.892	101	4275	2.45	ug/l	96
8) Diethyl Ether	2.135	74	1701	2.27	ug/l	54
9) 1,1,2-Trichlorotrifluo...	2.324	101	2602	2.51	ug/l	91
10) Methyl Iodide	2.452	142	2327	2.09	ug/l	97
11) Tert butyl alcohol	2.983	59	4558	14.78	ug/l	97
12) 1,1-Dichloroethene	2.324	96	2585	2.58	ug/l	88
13) Acrolein	2.245	56	3051	14.92	ug/l	96
14) Allyl chloride	2.672	41	4600	2.50	ug/l	93
15) Acrylonitrile	3.074	53	7259	11.96	ug/l	95
16) Acetone	2.391	43	7453	12.70	ug/l	93
17) Carbon Disulfide	2.513	76	6364	2.43	ug/l	98
18) Methyl Acetate	2.708	43	4112	2.63	ug/l	90
19) Methyl tert-butyl Ether	3.129	73	8194	2.39	ug/l	97
20) Methylene Chloride	2.794	84	3464	2.66	ug/l #	91
21) trans-1,2-Dichloroethene	3.093	96	2799	2.57	ug/l #	82
22) Diisopropyl ether	3.769	45	8558	2.42	ug/l	94
23) Vinyl Acetate	3.733	43	40224	11.79	ug/l #	93
24) 1,1-Dichloroethane	3.617	63	5230	2.52	ug/l	99
25) 2-Butanone	4.580	43	12036	12.67	ug/l	97
26) 2,2-Dichloropropane	4.495	77	4394	2.38	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	3358	2.53	ug/l	97
28) Bromochloromethane	4.909	49	2535	2.51	ug/l #	82
29) Tetrahydrofuran	5.019	42	6833	12.09	ug/l	96
30) Chloroform	5.104	83	5029	2.34	ug/l #	80
31) Cyclohexane	5.476	56	3962	2.34	ug/l #	76
32) 1,1,1-Trichloroethane	5.397	97	4399	2.40	ug/l	95
36) 1,1-Dichloropropene	5.708	75	3851	2.44	ug/l #	83
37) Ethyl Acetate	4.720	43	4797	2.48	ug/l	97
38) Carbon Tetrachloride	5.690	117	3632	2.35	ug/l #	79
39) Methylcyclohexane	7.384	83	4205	2.35	ug/l	94
40) Benzene	6.049	78	11874	2.44	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	2709	2.62	ug/l #	86
42) 1,2-Dichloroethane	6.098	62	4341	2.55	ug/l	95
43) Isopropyl Acetate	6.354	43	7426	2.35	ug/l	96
44) Trichloroethene	7.135	130	2779	2.30	ug/l	99
45) 1,2-Dichloropropane	7.439	63	2965	2.39	ug/l	90
46) Dibromomethane	7.586	93	2042	2.43	ug/l #	81
47) Bromodichloromethane	7.830	83	3673	2.18	ug/l	98
48) Methyl methacrylate	7.702	41	3696	2.53	ug/l	90
49) 1,4-Dioxane	7.683	88	1567	55.16	ug/l #	88
51) 4-Methyl-2-Pentanone	8.579	43	23051	12.15	ug/l	94
52) Toluene	8.726	92	7377	2.40	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	4038	2.08	ug/l	92
54) cis-1,3-Dichloropropene	8.372	75	4378	2.10	ug/l #	87
55) 1,1,2-Trichloroethane	9.159	97	2849	2.28	ug/l	93
56) Ethyl methacrylate	9.122	69	4292	2.13	ug/l #	83
57) 1,3-Dichloropropane	9.311	76	5166	2.42	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	12017	11.01	ug/l	98
59) 2-Hexanone	9.433	43	17487	12.26	ug/l	88
60) Dibromochloromethane	9.530	129	2513	2.07	ug/l	99
61) 1,2-Dibromoethane	9.616	107	2934	2.36	ug/l	99
64) Tetrachloroethene	9.274	164	2629	2.63	ug/l	92
65) Chlorobenzene	10.085	112	7959	2.51	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.164	131	2650	2.40	ug/l	98
67) Ethyl Benzene	10.195	91	13558	2.32	ug/l	97
68) m/p-Xylenes	10.305	106	10402	4.72	ug/l	97
69) o-Xylene	10.646	106	5271	2.46	ug/l	92
70) Styrene	10.658	104	8138	2.32	ug/l	98
71) Bromoform	10.805	173	1300	1.70	ug/l #	81
73) Isopropylbenzene	10.969	105	12959	2.33	ug/l	97
74) N-amyl acetate	10.847	43	6011	2.28	ug/l	91
75) 1,1,2,2-Tetrachloroethane	11.213	83	4839	2.63	ug/l	91
76) 1,2,3-Trichloropropane	11.244	75	4819m	2.97	ug/l	
77) Bromobenzene	11.201	156	2936	2.49	ug/l	93
78) n-propylbenzene	11.311	91	15128	2.32	ug/l	100
79) 2-Chlorotoluene	11.365	91	9223	2.33	ug/l	99
80) 1,3,5-Trimethylbenzene	11.457	105	10646	2.31	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.024	75	1342	1.96	ug/l	90
82) 4-Chlorotoluene	11.457	91	10381	2.28	ug/l	96
83) tert-Butylbenzene	11.719	119	10116	2.29	ug/l	88
84) 1,2,4-Trimethylbenzene	11.756	105	10731	2.31	ug/l	98
85) sec-Butylbenzene	11.896	105	13003	2.31	ug/l	96
86) p-Isopropyltoluene	12.012	119	10694	2.25	ug/l	95
87) 1,3-Dichlorobenzene	11.975	146	5301	2.33	ug/l	96
88) 1,4-Dichlorobenzene	12.048	146	5389m	2.29	ug/l	
89) n-Butylbenzene	12.335	91	9844	2.24	ug/l	95
90) Hexachloroethane	12.548	117	1543	1.97	ug/l	70
91) 1,2-Dichlorobenzene	12.341	146	5302	2.43	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.951	75	1010	2.56	ug/l	71
93) 1,2,4-Trichlorobenzene	13.591	180	3149	2.39	ug/l	92
94) Hexachlorobutadiene	13.731	225	1139	2.21	ug/l	98
95) Naphthalene	13.780	128	11304	2.20	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	2860	2.15	ug/l	97

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

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