

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070821\
 Data File : VX023190.D
 Acq On : 08 Jul 2021 11:30
 Operator : JC/MD
 Sample : M2940-07 .5PPB LOD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2021

Manual Integrations
 APPROVED

MMDadoda

7/9/2021 5:42:13 PM

Quant Time: Jul 09 03:23:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 09 03:22:39 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	264308	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	427468	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	381777	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	168140	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	181179	51.003	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.000%			
35) Dibromofluoromethane	5.391	113	132759	48.094	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.180%			
50) Toluene-d8	8.653	98	483728	46.978	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 93.960%			
62) 4-Bromofluorobenzene	11.085	95	176027	44.281	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 88.560%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	1043	0.436	ug/l	87
3) Chloromethane	1.301	50	1468	0.620	ug/l	89
4) Vinyl Chloride	1.374	62	1165	0.464	ug/l #	75
5) Bromomethane	1.605	94	1724	1.229	ug/l	85
6) Chloroethane	1.691	64	896	0.546	ug/l	99
7) Trichlorofluoromethane	1.892	101	2056	0.471	ug/l	86
8) Diethyl Ether	2.142	74	742	0.461	ug/l #	20
9) 1,1,2-Trichlorotrifluo...	2.325	101	1250	0.490	ug/l #	92
10) Methyl Iodide	2.459	142	1618	0.516	ug/l #	86
11) Tert butyl alcohol	2.959	59	3951	5.287	ug/l #	87
12) 1,1-Dichloroethene	2.319	96	1131	0.480	ug/l	93
13) Acrolein	2.246	56	1294	2.600	ug/l #	63
14) Allyl chloride	2.666	41	2713	0.663	ug/l #	88
15) Acrylonitrile	3.081	53	3563	2.452	ug/l	99
16) Acetone	2.392	43	4943	3.517	ug/l #	87
17) Carbon Disulfide	2.514	76	2858	0.575	ug/l #	91
18) Methyl Acetate	2.715	43	1773	0.520	ug/l #	89
19) Methyl tert-butyl Ether	3.123	73	4429	0.503	ug/l	99
20) Methylene Chloride	2.794	84	2445	0.808	ug/l #	89
21) trans-1,2-Dichloroethene	3.093	96	1417	0.557	ug/l #	84
22) Diisopropyl ether	3.782	45	4295	0.498	ug/l #	93
23) Vinyl Acetate	3.733	43	16418	2.247	ug/l #	92
24) 1,1-Dichloroethane	3.623	63	2470	0.506	ug/l #	91
25) 2-Butanone	4.574	43	5845	2.758	ug/l #	78
26) 2,2-Dichloropropane	4.501	77	2038m	0.498	ug/l	
27) cis-1,2-Dichloroethene	4.501	96	1492	0.484	ug/l	91
28) Bromochloromethane	4.916	49	1165	0.504	ug/l #	99
29) Tetrahydrofuran	5.019	42	3447m	2.530	ug/l	
30) Chloroform	5.111	83	2919	0.554	ug/l	84
31) Cyclohexane	5.471	56	2162	0.508	ug/l #	82
32) 1,1,1-Trichloroethane	5.397	97	2251	0.491	ug/l #	45
36) 1,1-Dichloropropene	5.702	75	1822	0.478	ug/l #	87
37) Ethyl Acetate	4.733	43	2344	0.564	ug/l #	75
38) Carbon Tetrachloride	5.690	117	1959m	0.492	ug/l	
39) Methylcyclohexane	7.379	83	2051	0.460	ug/l #	87
40) Benzene	6.038	78	5565	0.503	ug/l #	90

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	1156	0.497	ug/l #	74
42) 1,2-Dichloroethane	6.099	62	2407	0.541	ug/l	88
43) Isopropyl Acetate	6.355	43	3455	0.500	ug/l #	89
44) Trichloroethene	7.123	130	2041	0.650	ug/l	82
45) 1,2-Dichloropropane	7.440	63	1347	0.466	ug/l	98
46) Dibromomethane	7.580	93	1014	0.492	ug/l	94
47) Bromodichloromethane	7.830	83	1698	0.451	ug/l #	87
48) Methyl methacrylate	7.696	41	1881	0.554	ug/l #	73
49) 1,4-Dioxane	7.671	88	869	11.380	ug/l #	74
51) 4-Methyl-2-Pentanone	8.580	43	9071	2.117	ug/l	99
52) Toluene	8.720	92	3523	0.492	ug/l	94
53) t-1,3-Dichloropropene	8.988	75	1782	0.433	ug/l	98
54) cis-1,3-Dichloropropene	8.373	75	1722	0.395	ug/l #	84
55) 1,1,2-Trichloroethane	9.153	97	1350	0.449	ug/l #	89
56) Ethyl methacrylate	9.122	69	1999	0.430	ug/l #	61
57) 1,3-Dichloropropane	9.311	76	2222	0.447	ug/l	92
58) 2-Chloroethyl Vinyl ether	8.244	63	5148	2.265	ug/l	99
59) 2-Hexanone	9.439	43	7106	2.161	ug/l	80
60) Dibromochloromethane	9.525	129	1007	0.349	ug/l	89
61) 1,2-Dibromoethane	9.610	107	1266	0.410	ug/l	88
64) Tetrachloroethene	9.281	164	1416	0.465	ug/l	90
65) Chlorobenzene	10.086	112	3733	0.495	ug/l #	85
66) 1,1,1,2-Tetrachloroethane	10.165	131	1184	0.434	ug/l #	67
67) Ethyl Benzene	10.201	91	6196	0.464	ug/l	98
68) m/p-Xylenes	10.305	106	4568	0.897	ug/l	97
69) o-Xylene	10.646	106	2192	0.427	ug/l	89
70) Styrene	10.659	104	3322	0.396	ug/l #	92
71) Bromoform	10.805	173	774	0.403	ug/l #	96
73) Isopropylbenzene	10.964	105	5846	0.494	ug/l	98
74) N-amyl acetate	10.848	43	2316	0.461	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	11.220	83	1802	0.479	ug/l	98
76) 1,2,3-Trichloropropane	11.244	75	1949m	0.576	ug/l	
77) Bromobenzene	11.207	156	1531	0.518	ug/l	96
78) n-propylbenzene	11.305	91	6557	0.479	ug/l	95
79) 2-Chlorotoluene	11.372	91	4427	0.523	ug/l	98
80) 1,3,5-Trimethylbenzene	11.457	105	4935	0.484	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	425m	0.386	ug/l	
82) 4-Chlorotoluene	11.457	91	4742	0.496	ug/l	97
83) tert-Butylbenzene	11.719	119	4638	0.479	ug/l	91
84) 1,2,4-Trimethylbenzene	11.756	105	4878	0.484	ug/l	97
85) sec-Butylbenzene	11.896	105	5499	0.441	ug/l	92
86) p-Isopropyltoluene	12.012	119	4561	0.437	ug/l #	83
87) 1,3-Dichlorobenzene	11.976	146	2759	0.497	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	3085m	0.552	ug/l	
89) n-Butylbenzene	12.335	91	3878	0.424	ug/l	91
90) Hexachloroethane	12.536	117	616	0.402	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	2655	0.481	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	358	0.447	ug/l	92
93) 1,2,4-Trichlorobenzene	13.591	180	1590	0.467	ug/l	90
94) Hexachlorobutadiene	13.731	225	636	0.441	ug/l	90
95) Naphthalene	13.780	128	4748	0.420	ug/l	100
96) 1,2,3-Trichlorobenzene	13.969	180	1319	0.385	ug/l	81

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

