

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070821\
 Data File : VX023191.D
 Acq On : 08 Jul 2021 11:54
 Operator : JC/MD
 Sample : M2940-07 .75PPB LOD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 7/9/2021 5:42:16 PM

Quant Time: Jul 09 03:23:56 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	5.568	168	263924	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	428552	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	380348	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	172907	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	180975	51.020	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	102.040%
35) Dibromofluoromethane	5.397	113	131496	47.516	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.040%
50) Toluene-d8	8.653	98	486234	47.102	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.200%
62) 4-Bromofluorobenzene	11.085	95	178884	44.886	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.780%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	1292	0.540	ug/l	84
3) Chloromethane	1.301	50	1612	0.681	ug/l	89
4) Vinyl Chloride	1.374	62	1609	0.642	ug/l	90
5) Bromomethane	1.605	94	1603	1.144	ug/l	89
6) Chloroethane	1.685	64	1129	0.689	ug/l	93
7) Trichlorofluoromethane	1.892	101	2523	0.579	ug/l	96
8) Diethyl Ether	2.142	74	1173	0.730	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	1795	0.704	ug/l #	93
10) Methyl Iodide	2.459	142	1970	0.629	ug/l #	86
11) Tert butyl alcohol	2.947	59	4982m	6.676	ug/l	
12) 1,1-Dichloroethene	2.325	96	1494	0.635	ug/l	87
13) Acrolein	2.246	56	1796	3.614	ug/l #	54
14) Allyl chloride	2.672	41	3057	0.748	ug/l #	85
15) Acrylonitrile	3.075	53	4778	3.293	ug/l	99
16) Acetone	2.392	43	5445	3.880	ug/l	95
17) Carbon Disulfide	2.514	76	3561	0.718	ug/l #	93
18) Methyl Acetate	2.709	43	2430	0.713	ug/l	92
19) Methyl tert-butyl Ether	3.123	73	5436	0.618	ug/l	99
20) Methylene Chloride	2.794	84	2826	0.935	ug/l	91
21) trans-1,2-Dichloroethene	3.099	96	1642	0.646	ug/l	97
22) Diisopropyl ether	3.770	45	5671	0.658	ug/l #	92
23) Vinyl Acetate	3.733	43	20772	2.848	ug/l #	93
24) 1,1-Dichloroethane	3.611	63	3314	0.681	ug/l #	81
25) 2-Butanone	4.574	43	7081	3.346	ug/l #	79
26) 2,2-Dichloropropane	4.483	77	2683	0.656	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	1918	0.623	ug/l	79
28) Bromochloromethane	4.922	49	1590m	0.688	ug/l	
29) Tetrahydrofuran	5.026	42	4405	3.238	ug/l #	85
30) Chloroform	5.111	83	3353	0.637	ug/l	92
31) Cyclohexane	5.483	56	2825	0.665	ug/l	87
32) 1,1,1-Trichloroethane	5.391	97	2851	0.622	ug/l #	50
36) 1,1-Dichloropropene	5.702	75	2390	0.626	ug/l	93
37) Ethyl Acetate	4.733	43	2911	0.698	ug/l #	87
38) Carbon Tetrachloride	5.684	117	2400	0.602	ug/l #	62
39) Methylcyclohexane	7.385	83	2735	0.612	ug/l	93
40) Benzene	6.050	78	6903	0.622	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	1717	0.737	ug/l #	43
42) 1,2-Dichloroethane	6.092	62	3082	0.691	ug/l	98
43) Isopropyl Acetate	6.348	43	4726	0.682	ug/l #	90
44) Trichloroethene	7.129	130	2322	0.738	ug/l	87
45) 1,2-Dichloropropane	7.440	63	1793	0.619	ug/l #	83
46) Dibromomethane	7.580	93	1333	0.645	ug/l	90
47) Bromodichloromethane	7.824	83	2180	0.577	ug/l #	96
48) Methyl methacrylate	7.702	41	2038	0.599	ug/l #	77
49) 1,4-Dioxane	7.671	88	763	9.967	ug/l #	70
51) 4-Methyl-2-Pentanone	8.580	43	12990	3.024	ug/l #	86
52) Toluene	8.720	92	4595	0.640	ug/l	97
53) t-1,3-Dichloropropene	8.988	75	2091	0.507	ug/l	99
54) cis-1,3-Dichloropropene	8.373	75	2390	0.546	ug/l #	72
55) 1,1,2-Trichloroethane	9.159	97	1788	0.593	ug/l	96
56) Ethyl methacrylate	9.122	69	2637	0.566	ug/l #	74
57) 1,3-Dichloropropane	9.311	76	2959	0.594	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.251	63	5869	2.576	ug/l	95
59) 2-Hexanone	9.433	43	8968	2.721	ug/l	86
60) Dibromochloromethane	9.525	129	1517	0.524	ug/l	95
61) 1,2-Dibromoethane	9.616	107	1941	0.627	ug/l	89
64) Tetrachloroethene	9.275	164	2214	0.730	ug/l #	78
65) Chlorobenzene	10.080	112	4788	0.637	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.165	131	1648	0.606	ug/l #	65
67) Ethyl Benzene	10.195	91	7744	0.583	ug/l	97
68) m/p-Xylenes	10.305	106	6001	1.183	ug/l	99
69) o-Xylene	10.647	106	2994	0.585	ug/l	90
70) Styrene	10.659	104	4547	0.544	ug/l	95
71) Bromoform	10.805	173	939	0.490	ug/l #	97
73) Isopropylbenzene	10.964	105	7452	0.612	ug/l	96
74) N-amyl acetate	10.842	43	2925	0.566	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.213	83	2445	0.632	ug/l	97
76) 1,2,3-Trichloropropane	11.244	75	2347m	0.675	ug/l	
77) Bromobenzene	11.201	156	1919	0.631	ug/l	95
78) n-propylbenzene	11.305	91	8682	0.616	ug/l	98
79) 2-Chlorotoluene	11.366	91	6015	0.691	ug/l	95
80) 1,3,5-Trimethylbenzene	11.457	105	5940	0.566	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.025	75	574m	0.506	ug/l	
82) 4-Chlorotoluene	11.457	91	6255	0.636	ug/l	95
83) tert-Butylbenzene	11.720	119	6029	0.606	ug/l	94
84) 1,2,4-Trimethylbenzene	11.756	105	5887	0.568	ug/l	98
85) sec-Butylbenzene	11.896	105	7294	0.569	ug/l	100
86) p-Isopropyltoluene	12.012	119	5978	0.556	ug/l #	82
87) 1,3-Dichlorobenzene	11.969	146	3442	0.603	ug/l	95
88) 1,4-Dichlorobenzene	12.043	146	3818m	0.664	ug/l	
89) n-Butylbenzene	12.335	91	5169	0.549	ug/l	96
90) Hexachloroethane	12.543	117	872	0.554	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	3742	0.659	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	457	0.555	ug/l	87
93) 1,2,4-Trichlorobenzene	13.591	180	1914	0.547	ug/l	93
94) Hexachlorobutadiene	13.731	225	951	0.642	ug/l	89
95) Naphthalene	13.780	128	5806	0.499	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	1830	0.520	ug/l	94

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

