

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071221\
 Data File : VX023239.D
 Acq On : 12 Jul 2021 14:02
 Operator : JC/MD
 Sample : M2940-08 1.0PPB LOQ
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2021

Manual Integrations
 APPROVED

MMDadoda
 7/13/2021 6:53:57 PM

Quant Time: Jul 13 03:06:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 13 03:05:00 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	274292	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	443475	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	383280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	169210	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	181846	49.328	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.660%		
35) Dibromofluoromethane	5.397	113	136092	47.522	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.040%		
50) Toluene-d8	8.653	98	487713	45.655	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.320%#		
62) 4-Bromofluorobenzene	11.085	95	176467	42.790	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	85.580%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	1728	0.695	ug/l	97
3) Chloromethane	1.301	50	1969	0.801	ug/l	90
4) Vinyl Chloride	1.374	62	2095	0.804	ug/l	97
5) Bromomethane	1.605	94	2017	1.385	ug/l	84
6) Chloroethane	1.685	64	1395	0.819	ug/l	92
7) Trichlorofluoromethane	1.892	101	3480	0.769	ug/l	95
8) Diethyl Ether	2.136	74	1675	1.002	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	2640	0.997	ug/l	97
10) Methyl Iodide	2.459	142	2653	0.816	ug/l #	88
11) Tert butyl alcohol	2.971	59	5332	6.875	ug/l #	90
12) 1,1-Dichloroethene	2.319	96	2260	0.924	ug/l #	80
13) Acrolein	2.240	56	2602	5.038	ug/l	87
14) Allyl chloride	2.666	41	4218	0.993	ug/l	92
15) Acrylonitrile	3.075	53	6108	4.050	ug/l	96
16) Acetone	2.386	43	6928	4.750	ug/l	91
17) Carbon Disulfide	2.514	76	4660	0.904	ug/l	99
18) Methyl Acetate	2.709	43	3345	0.945	ug/l	90
19) Methyl tert-butyl Ether	3.130	73	7667	0.838	ug/l	91
20) Methylene Chloride	2.794	84	4248	1.353	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	2199	0.833	ug/l #	84
22) Diisopropyl ether	3.770	45	7279	0.813	ug/l #	86
23) Vinyl Acetate	3.733	43	29449	3.884	ug/l #	91
24) 1,1-Dichloroethane	3.611	63	4162	0.822	ug/l	97
25) 2-Butanone	4.574	43	9396	4.272	ug/l	98
26) 2,2-Dichloropropane	4.495	77	4176	0.983	ug/l	94
27) cis-1,2-Dichloroethene	4.501	96	2676	0.837	ug/l	90
28) Bromochloromethane	4.904	49	2292	0.955	ug/l #	100
29) Tetrahydrofuran	5.032	42	5581	3.948	ug/l	97
30) Chloroform	5.105	83	5192	0.950	ug/l	91
31) Cyclohexane	5.477	56	3818	0.865	ug/l #	82
32) 1,1,1-Trichloroethane	5.404	97	4260	0.895	ug/l #	50
36) 1,1-Dichloropropene	5.696	75	3535	0.894	ug/l #	87
37) Ethyl Acetate	4.733	43	3828	0.888	ug/l #	86
38) Carbon Tetrachloride	5.678	117	3592	0.870	ug/l #	91
39) Methylcyclohexane	7.391	83	3912	0.846	ug/l	95
40) Benzene	6.044	78	9748	0.849	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	2281	0.946	ug/l #	70
42) 1,2-Dichloroethane	6.099	62	4027	0.873	ug/l	92
43) Isopropyl Acetate	6.349	43	6047	0.843	ug/l #	88
44) Trichloroethene	7.129	130	3478	1.068	ug/l	76
45) 1,2-Dichloropropane	7.434	63	2490	0.831	ug/l	97
46) Dibromomethane	7.586	93	1752	0.819	ug/l	95
47) Bromodichloromethane	7.824	83	3129	0.801	ug/l	88
48) Methyl methacrylate	7.702	41	2672	0.759	ug/l #	89
49) 1,4-Dioxane	7.671	88	1322	16.687	ug/l #	87
51) 4-Methyl-2-Pentanone	8.580	43	17245	3.879	ug/l	91
52) Toluene	8.726	92	6058	0.816	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	2987	0.700	ug/l #	84
54) cis-1,3-Dichloropropene	8.373	75	3306	0.730	ug/l #	86
55) 1,1,2-Trichloroethane	9.159	97	2421	0.776	ug/l	95
56) Ethyl methacrylate	9.122	69	3393	0.704	ug/l #	77
57) 1,3-Dichloropropane	9.311	76	4121	0.799	ug/l	93
58) 2-Chloroethyl Vinyl ether	8.251	63	13224	5.609	ug/l	99
59) 2-Hexanone	9.433	43	12411	3.639	ug/l	87
60) Dibromochloromethane	9.531	129	2090	0.698	ug/l	97
61) 1,2-Dibromoethane	9.610	107	2493	0.779	ug/l	97
64) Tetrachloroethene	9.275	164	2861	0.936	ug/l	89
65) Chlorobenzene	10.086	112	6572	0.867	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.171	131	2208	0.806	ug/l #	64
67) Ethyl Benzene	10.195	91	10817	0.808	ug/l	93
68) m/p-Xylenes	10.305	106	8174	1.599	ug/l	98
69) o-Xylene	10.647	106	3925	0.762	ug/l	96
70) Styrene	10.659	104	6063	0.720	ug/l	88
71) Bromoform	10.805	173	1372	0.711	ug/l #	93
73) Isopropylbenzene	10.964	105	10485	0.880	ug/l	99
74) N-amyl acetate	10.848	43	4157	0.822	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.220	83	3464	0.915	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	3134m	0.920	ug/l	
77) Bromobenzene	11.201	156	2821	0.948	ug/l	94
78) n-propylbenzene	11.311	91	11702	0.849	ug/l	95
79) 2-Chlorotoluene	11.372	91	7914	0.929	ug/l	96
80) 1,3,5-Trimethylbenzene	11.457	105	8696	0.847	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	783m	0.706	ug/l	
82) 4-Chlorotoluene	11.457	91	8415	0.875	ug/l	98
83) tert-Butylbenzene	11.720	119	8398	0.862	ug/l	95
84) 1,2,4-Trimethylbenzene	11.756	105	8236	0.812	ug/l	96
85) sec-Butylbenzene	11.896	105	10412	0.831	ug/l	99
86) p-Isopropyltoluene	12.012	119	7874	0.749	ug/l	86
87) 1,3-Dichlorobenzene	11.976	146	4855	0.869	ug/l	95
88) 1,4-Dichlorobenzene	12.049	146	5506m	0.978	ug/l	
89) n-Butylbenzene	12.335	91	6785	0.737	ug/l	94
90) Hexachloroethane	12.543	117	1191	0.773	ug/l	86
91) 1,2-Dichlorobenzene	12.335	146	5027	0.904	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	12.945	75	684	0.849	ug/l	73
93) 1,2,4-Trichlorobenzene	13.591	180	2707	0.790	ug/l	97
94) Hexachlorobutadiene	13.725	225	1189	0.820	ug/l	86
95) Naphthalene	13.780	128	8279	0.727	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	2621	0.761	ug/l	96

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

