

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101419\
 Data File : VN058748.D
 Acq On : 14 Oct 2019 14:42
 Operator : JC/SP
 Sample : K5111-07 0.75PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:56:52 AM

Quant Time: Oct 15 03:49:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	378738	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	631822	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	568679	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	238229	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	285360	53.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.64%	
35) Dibromofluoromethane	7.57	113	203253	52.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.16%	
50) Toluene-d8	10.08	98	752682	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	
62) 4-Bromofluorobenzene	12.41	95	255263	43.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	3734	0.792	ug/l	84
3) Chloromethane	2.04	50	5642	1.006	ug/l	96
4) Vinyl Chloride	2.17	62	5065	0.907	ug/l	100
5) Bromomethane	2.55	94	3680	1.083	ug/l	81
6) Chloroethane	2.68	64	3345	0.971	ug/l	96
7) Trichlorofluoromethane	3.00	101	6004	0.898	ug/l	90
8) Diethyl Ether	3.39	74	2018	0.817	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.74	101	3095	0.812	ug/l #	69
10) Methyl Iodide	3.94	142	3472m	0.667	ug/l	
11) Tert butyl alcohol	4.77	59	3884m	4.523	ug/l	
12) 1,1-Dichloroethene	3.72	96	3180	0.874	ug/l	97
13) Acrolein	3.59	56	2770	4.011	ug/l	95
14) Allyl chloride	4.30	41	6410	0.873	ug/l #	86
15) Acrylonitrile	4.97	53	7209	3.329	ug/l	84
16) Acetone	3.81	43	10064	4.585	ug/l	98
17) Carbon Disulfide	4.03	76	10062	0.865	ug/l #	91
18) Methyl Acetate	4.30	43	5608m	1.007	ug/l	
19) Methyl tert-butyl Ether	5.03	73	10239m	0.788	ug/l	
20) Methylene Chloride	4.53	84	4667	1.017	ug/l #	84
21) trans-1,2-Dichloroethene	5.01	96	3447m	0.847	ug/l	
22) Diisopropyl ether	5.93	45	11405	0.799	ug/l #	82
23) Vinyl Acetate	5.88	43	41532	3.606	ug/l	99
24) 1,1-Dichloroethane	5.83	63	6793	0.836	ug/l #	85
25) 2-Butanone	6.82	43	12369	3.898	ug/l	96
26) 2,2-Dichloropropane	6.80	77	7275	0.980	ug/l #	68
27) cis-1,2-Dichloroethene	6.81	96	3939	0.830	ug/l	97
28) Bromochloromethane	7.18	49	2464	0.871	ug/l #	92
29) Tetrahydrofuran	7.20	42	7551	3.683	ug/l #	84
30) Chloroform	7.36	83	7510	0.920	ug/l	95
31) Cyclohexane	7.65	56	14595	1.877	ug/l #	45
32) 1,1,1-Trichloroethane	7.55	97	5955	0.855	ug/l #	53
36) 1,1-Dichloropropene	7.78	75	5100m	0.798	ug/l	
37) Ethyl Acetate	6.91	43	5975m	0.925	ug/l	
38) Carbon Tetrachloride	7.75	117	5167	0.830	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	5193	0.701	ug/l	90
40) Benzene	8.02	78	14665	0.799	ug/l	98
41) Methacrylonitrile	7.17	41	2291m	0.758	ug/l	
42) 1,2-Dichloroethane	8.11	62	6182	0.877	ug/l	89
43) Isopropyl Acetate	8.16	43	8164	0.742	ug/l #	84
44) Trichloroethene	8.82	130	3918	0.860	ug/l	95
45) 1,2-Dichloropropane	9.11	63	4097	0.834	ug/l #	78
46) Dibromomethane	9.20	93	2472	0.794	ug/l	98
47) Bromodichloromethane	9.39	83	5354	0.844	ug/l	93
48) Methyl methacrylate	9.19	41	3783	0.758	ug/l	96
49) 1,4-Dioxane	9.20	88	1262m	16.351	ug/l	
51) 4-Methyl-2-Pentanone	9.98	43	22196	3.591	ug/l	100
52) Toluene	10.15	92	8530	0.760	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	5265	0.724	ug/l #	39
54) cis-1,3-Dichloropropene	9.83	75	5626	0.729	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	4174	0.909	ug/l	93
56) Ethyl methacrylate	10.43	69	4639	0.691	ug/l	98
57) 1,3-Dichloropropane	10.71	76	6072	0.776	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	9932	3.072	ug/l	98
59) 2-Hexanone	10.75	43	17907	3.749	ug/l	90
60) Dibromochloromethane	10.90	129	3540	0.747	ug/l	99
61) 1,2-Dibromoethane	11.00	107	3797	0.825	ug/l	90
64) Tetrachloroethene	10.63	164	3556	0.894	ug/l	89
65) Chlorobenzene	11.44	112	9281	0.804	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	3323	0.778	ug/l #	48
67) Ethyl Benzene	11.51	91	15416	0.749	ug/l	96
68) m/p-Xylenes	11.62	106	10283	1.331	ug/l	93
69) o-Xylene	11.95	106	5034	0.673	ug/l	96
70) Styrene	11.97	104	7175	0.586	ug/l	89
71) Bromoform	12.13	173	2137	0.683	ug/l #	98
73) Isopropylbenzene	12.25	105	13231	0.767	ug/l	99
74) N-amyl acetate	12.07	43	5603	0.723	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.51	83	5272	0.928	ug/l	94
76) 1,2,3-Trichloropropane	12.56	75	5956m	1.140	ug/l	
77) Bromobenzene	12.53	156	3713	0.885	ug/l	99
78) n-propylbenzene	12.59	91	16294	0.810	ug/l	98
79) 2-Chlorotoluene	12.68	91	9843	0.789	ug/l	98
80) 1,3,5-Trimethylbenzene	12.74	105	11950	0.811	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.30	75	1808m	0.927	ug/l	
82) 4-Chlorotoluene	12.78	91	9810	0.766	ug/l	94
83) tert-Butylbenzene	13.00	119	9580	0.759	ug/l	96
84) 1,2,4-Trimethylbenzene	13.05	105	10933	0.748	ug/l	99
85) sec-Butylbenzene	13.18	105	12490	0.751	ug/l	98
86) p-Isopropyltoluene	13.29	119	10239	0.678	ug/l	96
87) 1,3-Dichlorobenzene	13.29	146	5787	0.748	ug/l	96
88) 1,4-Dichlorobenzene	13.37	146	6339m	0.806	ug/l	
89) n-Butylbenzene	13.62	91	9171	0.656	ug/l	97
90) Hexachloroethane	13.88	117	2205	0.815	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	6208	0.823	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.28	75	1211	0.912	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	2929	0.637	ug/l	95
94) Hexachlorobutadiene	15.01	225	1808	0.746	ug/l	92
95) Naphthalene	15.14	128	7933	0.600	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	3024	0.673	ug/l	98

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

