

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101419\
 Data File : VN058747.D
 Acq On : 14 Oct 2019 14:20
 Operator : JC/SP
 Sample : K5111-07 0.5PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:56:50 AM

Quant Time: Oct 15 03:46:40 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	392310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	637218	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	581459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	243960	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	294211	53.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.14%	
35) Dibromofluoromethane	7.57	113	212650	54.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.06%	
50) Toluene-d8	10.09	98	775775	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
62) 4-Bromofluorobenzene	12.41	95	260855	43.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.56%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.84	85	2573	0.527	ug/l	89
3) Chloromethane	2.04	50	3767	0.648	ug/l	99
4) Vinyl Chloride	2.17	62	3384	0.585	ug/l	93
5) Bromomethane	2.55	94	2977	0.846	ug/l #	73
6) Chloroethane	2.69	64	2171	0.608	ug/l	92
7) Trichlorofluoromethane	3.00	101	4444	0.642	ug/l	94
8) Diethyl Ether	3.39	74	1169	0.457	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	3.73	101	2492	0.631	ug/l #	38
10) Methyl Iodide	3.92	142	2549	0.473	ug/l #	93
11) Tert butyl alcohol	4.76	59	2988m	3.359	ug/l	
12) 1,1-Dichloroethene	3.71	96	2145m	0.569	ug/l	
13) Acrolein	3.59	56	1515	2.118	ug/l #	77
14) Allyl chloride	4.29	41	4045	0.532	ug/l #	59
15) Acrylonitrile	4.97	53	5818m	2.594	ug/l	
16) Acetone	3.80	43	7473	3.287	ug/l	95
17) Carbon Disulfide	4.04	76	7572	0.629	ug/l #	92
18) Methyl Acetate	4.31	43	4396m	0.762	ug/l	
19) Methyl tert-butyl Ether	5.03	73	7281m	0.541	ug/l	
20) Methylene Chloride	4.54	84	3501	0.737	ug/l	87
21) trans-1,2-Dichloroethene	5.02	96	2278	0.541	ug/l #	90
22) Diisopropyl ether	5.93	45	8049	0.544	ug/l #	63
23) Vinyl Acetate	5.88	43	30006	2.515	ug/l	98
24) 1,1-Dichloroethane	5.83	63	4299	0.511	ug/l #	85
25) 2-Butanone	6.82	43	8855	2.694	ug/l	93
26) 2,2-Dichloropropane	6.80	77	4791	0.623	ug/l #	72
27) cis-1,2-Dichloroethene	6.81	96	2694	0.548	ug/l	82
28) Bromochloromethane	7.18	49	1336m	0.456	ug/l	
29) Tetrahydrofuran	7.19	42	5896m	2.776	ug/l	
30) Chloroform	7.35	83	5812	0.687	ug/l	87
31) Cyclohexane	7.64	56	13034	1.618	ug/l #	23
32) 1,1,1-Trichloroethane	7.55	97	4177	0.579	ug/l #	49
36) 1,1-Dichloropropene	7.78	75	3469	0.538	ug/l	86
37) Ethyl Acetate	6.91	43	3388	0.520	ug/l #	80
38) Carbon Tetrachloride	7.76	117	3840	0.612	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	3937	0.527	ug/l	99
40) Benzene	8.03	78	11142	0.602	ug/l	95
41) Methacrylonitrile	7.17	41	1593m	0.522	ug/l	
42) 1,2-Dichloroethane	8.11	62	4795	0.675	ug/l	88
43) Isopropyl Acetate	8.15	43	5743	0.517	ug/l #	85
44) Trichloroethene	8.82	130	2597	0.565	ug/l	93
45) 1,2-Dichloropropane	9.11	63	2757	0.557	ug/l	90
46) Dibromomethane	9.20	93	1808	0.576	ug/l	96
47) Bromodichloromethane	9.40	83	3454	0.540	ug/l #	70
48) Methyl methacrylate	9.20	41	2902	0.577	ug/l	93
49) 1,4-Dioxane	9.20	88	942	12.102	ug/l #	89
51) 4-Methyl-2-Pentanone	9.98	43	15510	2.488	ug/l	99
52) Toluene	10.15	92	6386	0.564	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	3606	0.492	ug/l #	63
54) cis-1,3-Dichloropropene	9.83	75	3999	0.514	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	2915	0.629	ug/l	90
56) Ethyl methacrylate	10.43	69	2923	0.432	ug/l #	73
57) 1,3-Dichloropropane	10.71	76	4689	0.594	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	6550	2.008	ug/l	98
59) 2-Hexanone	10.75	43	12184	2.529	ug/l	94
60) Dibromochloromethane	10.90	129	2365	0.495	ug/l	95
61) 1,2-Dibromoethane	11.00	107	2468	0.532	ug/l	100
64) Tetrachloroethene	10.63	164	2687	0.660	ug/l	96
65) Chlorobenzene	11.43	112	6512	0.551	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	2328	0.533	ug/l #	57
67) Ethyl Benzene	11.51	91	10648	0.506	ug/l	98
68) m/p-Xylenes	11.62	106	7350	0.930	ug/l	95
69) o-Xylene	11.95	106	3663	0.479	ug/l	95
70) Styrene	11.97	104	5554	0.443	ug/l	94
71) Bromoform	12.13	173	1331	0.416	ug/l #	96
73) Isopropylbenzene	12.25	105	9800	0.555	ug/l	97
74) N-amyl acetate	12.07	43	3513	0.443	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	3277	0.563	ug/l	81
76) 1,2,3-Trichloropropane	12.56	75	4319m	0.807	ug/l	
77) Bromobenzene	12.53	156	2738	0.637	ug/l	88
78) n-propylbenzene	12.59	91	12553	0.610	ug/l	95
79) 2-Chlorotoluene	12.68	91	7356	0.576	ug/l	98
80) 1,3,5-Trimethylbenzene	12.74	105	7590	0.503	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.31	75	1503m	0.752	ug/l	
82) 4-Chlorotoluene	12.78	91	6800	0.519	ug/l	100
83) tert-Butylbenzene	13.00	119	6913	0.535	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	7667	0.512	ug/l	94
85) sec-Butylbenzene	13.18	105	8767	0.515	ug/l	100
86) p-Isopropyltoluene	13.30	119	6971	0.450	ug/l	95
87) 1,3-Dichlorobenzene	13.29	146	4367	0.551	ug/l	96
88) 1,4-Dichlorobenzene	13.37	146	4895m	0.607	ug/l	
89) n-Butylbenzene	13.62	91	6602	0.461	ug/l	98
90) Hexachloroethane	13.88	117	1596	0.576	ug/l	92
91) 1,2-Dichlorobenzene	13.66	146	4254	0.551	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1095	0.805	ug/l	61

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	2119	0.450	ug/l	89
94) Hexachlorobutadiene	15.02	225	1252	0.505	ug/l	89
95) Naphthalene	15.13	128	5666	0.418	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.30	180	2075	0.451	ug/l	93

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

