

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101419\
 Data File : VN058749.D
 Acq On : 14 Oct 2019 15:04
 Operator : JC/SP
 Sample : K5111-07 0.2PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:56:58 AM

Quant Time: Oct 15 03:53:45 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	378548	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	636759	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	570059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	234641	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	321668	60.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.40%	
35) Dibromofluoromethane	7.57	113	227411	57.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.64%	
50) Toluene-d8	10.08	98	839503	53.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.76%	
62) 4-Bromofluorobenzene	12.41	95	283724	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	

Target Compounds

						Qvalue
3) Chloromethane	2.04	50	1776	0.317	ug/l #	64
4) Vinyl Chloride	2.17	62	1485	0.266	ug/l #	64
5) Bromomethane	2.55	94	1234m	0.363	ug/l	
6) Chloroethane	2.68	64	842	0.244	ug/l #	75
7) Trichlorofluoromethane	3.00	101	1582	0.237	ug/l #	79
9) 1,1,2-Trichlorotrifluoroet	3.74	101	844m	0.222	ug/l	
11) Tert butyl alcohol	4.76	59	651m	0.758	ug/l	
13) Acrolein	3.61	56	684m	0.991	ug/l	
14) Allyl chloride	4.31	41	1949	0.266	ug/l #	65
15) Acrylonitrile	4.98	53	1954m	0.903	ug/l	
16) Acetone	3.81	43	3126	1.425	ug/l	99
17) Carbon Disulfide	4.03	76	3258	0.280	ug/l #	89
18) Methyl Acetate	4.31	43	2054m	0.369	ug/l	
20) Methylene Chloride	4.53	84	1557	0.340	ug/l #	62
21) trans-1,2-Dichloroethene	5.04	96	977m	0.240	ug/l	
22) Diisopropyl ether	5.92	45	2865m	0.201	ug/l	
23) Vinyl Acetate	5.89	43	10165	0.883	ug/l #	83
25) 2-Butanone	6.82	43	3891m	1.227	ug/l	
26) 2,2-Dichloropropane	6.80	77	2256	0.304	ug/l #	66
29) Tetrahydrofuran	7.19	42	1976	0.964	ug/l #	54
30) Chloroform	7.36	83	2685	0.329	ug/l #	78
31) Cyclohexane	7.64	56	9839	1.266	ug/l #	1
32) 1,1,1-Trichloroethane	7.54	97	1473m	0.212	ug/l	
36) 1,1-Dichloropropene	7.78	75	1415	0.220	ug/l #	59
37) Ethyl Acetate	6.92	43	1750m	0.269	ug/l	
40) Benzene	8.03	78	4087	0.221	ug/l #	88
41) Methacrylonitrile	7.15	41	726m	0.238	ug/l	
42) 1,2-Dichloroethane	8.12	62	2154	0.303	ug/l #	78
43) Isopropyl Acetate	8.16	43	2243	0.202	ug/l #	60
44) Trichloroethene	8.83	130	1006m	0.219	ug/l	
47) Bromodichloromethane	9.39	83	1442	0.226	ug/l #	68
49) 1,4-Dioxane	9.19	88	107	1.376	ug/l #	22
51) 4-Methyl-2-Pentanone	9.98	43	6056	0.972	ug/l	92
57) 1,3-Dichloropropane	10.71	76	1603	0.203	ug/l #	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

58) 2-Chloroethyl Vinyl ether	9.69	63	2334	0.716	ug/l	96
59) 2-Hexanone	10.75	43	4812	1.000	ug/l	85
64) Tetrachloroethene	10.62	164	911	0.228	ug/l #	87
65) Chlorobenzene	11.43	112	2368	0.205	ug/l #	88
67) Ethyl Benzene	11.51	91	4542	0.220	ug/l	92
68) m/p-Xylenes	11.62	106	2551	0.329	ug/l	88
74) N-amyl acetate	12.08	43	1979	0.259	ug/l #	76
75) 1,1,2,2-Tetrachloroethane	12.51	83	1483	0.265	ug/l #	87
76) 1,2,3-Trichloropropane	12.56	75	2252m	0.437	ug/l	
77) Bromobenzene	12.53	156	933	0.226	ug/l	85
78) n-propylbenzene	12.59	91	4083	0.206	ug/l	90
79) 2-Chlorotoluene	12.68	91	2516	0.205	ug/l	91
80) 1,3,5-Trimethylbenzene	12.74	105	3230	0.223	ug/l	86
81) trans-1,4-Dichloro-2-buten	12.31	75	769m	0.400	ug/l	
82) 4-Chlorotoluene	12.78	91	2677	0.212	ug/l	95
84) 1,2,4-Trimethylbenzene	13.05	105	2959	0.205	ug/l	87
86) p-Isopropyltoluene	13.29	119	3101	0.208	ug/l	94
87) 1,3-Dichlorobenzene	13.29	146	1553	0.204	ug/l	83
88) 1,4-Dichlorobenzene	13.37	146	2270m	0.293	ug/l	
92) 1,2-Dibromo-3-Chloropropan	14.28	75	766m	0.586	ug/l	
95) Naphthalene	15.13	128	2713	0.208	ug/l #	89

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

