

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072619\
 Data File : VN056930.D
 Acq On : 25 Jul 2019 19:41
 Operator : JC/SP
 Sample : K3591-07 0.75PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Manual Integrations
 APPROVED

MMDadoda
 7/26/2019 3:37:35 PM

Quant Time: Jul 26 05:27:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 05:13:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	420849	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	652946	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	541269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	152869	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	250743	57.58	ug/l	0.00
Spiked Amount			Recovery	=	115.16%	
35) Dibromofluoromethane	7.58	113	222144	53.32	ug/l	0.00
Spiked Amount			Recovery	=	106.64%	
50) Toluene-d8	10.08	98	824219	52.10	ug/l	0.00
Spiked Amount			Recovery	=	104.20%	
62) 4-Bromofluorobenzene	12.39	95	216611	41.94	ug/l	0.00
Spiked Amount			Recovery	=	83.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	2716	0.599	ug/l	97
3) Chloromethane	2.05	50	4754	0.876	ug/l	97
4) Vinyl Chloride	2.17	62	3951	0.774	ug/l	92
5) Bromomethane	2.55	94	4645	1.504	ug/l	99
6) Chloroethane	2.69	64	2451	0.865	ug/l	92
7) Trichlorofluoromethane	3.00	101	5412	0.813	ug/l	91
8) Diethyl Ether	3.39	74	2085	0.836	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	3560	0.870	ug/l	96
10) Methyl Iodide	3.93	142	4008	0.667	ug/l #	82
11) Tert butyl alcohol	4.74	59	7788	12.397	ug/l #	74
12) 1,1-Dichloroethene	3.71	96	3284	0.832	ug/l	83
13) Acrolein	3.60	56	1461	4.150	ug/l #	48
14) Allyl chloride	4.30	41	5033	0.785	ug/l #	89
15) Acrylonitrile	4.98	53	7322m	4.050	ug/l	
16) Acetone	3.81	43	6515	4.381	ug/l #	85
17) Carbon Disulfide	4.03	76	9011	0.847	ug/l	96
18) Methyl Acetate	4.31	43	5416	1.040	ug/l #	72
19) Methyl tert-butyl Ether	5.03	73	10053	0.866	ug/l #	88
20) Methylene Chloride	4.53	84	4536	0.963	ug/l	90
21) trans-1,2-Dichloroethene	5.01	96	3517m	0.832	ug/l	
22) Diisopropyl ether	5.93	45	10528	0.807	ug/l #	76
23) Vinyl Acetate	5.88	43	33453	3.721	ug/l	98
24) 1,1-Dichloroethane	5.83	63	6722	0.877	ug/l #	83
25) 2-Butanone	6.82	43	8437	3.686	ug/l	94
26) 2,2-Dichloropropane	6.81	77	4263	0.758	ug/l #	64
27) cis-1,2-Dichloroethene	6.81	96	3603	0.747	ug/l	73
28) Bromochloromethane	7.18	49	3358	0.949	ug/l #	90
29) Tetrahydrofuran	7.21	42	5923	3.949	ug/l #	67
30) Chloroform	7.36	83	7460	0.945	ug/l	100
31) Cyclohexane	7.64	56	11645	1.561	ug/l #	30
32) 1,1,1-Trichloroethane	7.55	97	5126	0.811	ug/l #	49
36) 1,1-Dichloropropene	7.78	75	5210	0.873	ug/l #	89
37) Ethyl Acetate	6.92	43	4122	0.852	ug/l #	85
38) Carbon Tetrachloride	7.76	117	4690	0.826	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	5365	0.737	ug/l #	81
40) Benzene	8.03	78	14490	0.778	ug/l #	88
41) Methacrylonitrile	7.16	41	1368	0.643	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	5137	0.893	ug/l	92
43) Isopropyl Acetate	8.15	43	5718	0.718	ug/l #	82
44) Trichloroethene	8.82	130	4200	0.827	ug/l	94
45) 1,2-Dichloropropane	9.11	63	4049	0.809	ug/l	97
46) Dibromomethane	9.20	93	2357	0.782	ug/l	97
47) Bromodichloromethane	9.39	83	4573	0.776	ug/l	97
48) Methyl methacrylate	9.19	41	3005	0.787	ug/l	90
49) 1,4-Dioxane	9.19	88	1064	13.301	ug/l #	89
51) 4-Methyl-2-Pentanone	9.98	43	18593	3.929	ug/l	94
52) Toluene	10.15	92	9701	0.869	ug/l	86
53) t-1,3-Dichloropropene	10.37	75	4134	0.696	ug/l #	87
54) cis-1,3-Dichloropropene	9.83	75	4473	0.640	ug/l	95
55) 1,1,2-Trichloroethane	10.55	97	3202	0.716	ug/l	91
56) Ethyl methacrylate	10.42	69	4283	0.712	ug/l	93
57) 1,3-Dichloropropane	10.70	76	6054	0.827	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.69	63	7248	3.057	ug/l	97
59) 2-Hexanone	10.74	43	11378	3.507	ug/l	98
60) Dibromochloromethane	10.90	129	3069	0.675	ug/l	99
61) 1,2-Dibromoethane	11.00	107	3448	0.776	ug/l	91
64) Tetrachloroethene	10.63	164	4338	0.877	ug/l	92
65) Chlorobenzene	11.43	112	9371	0.827	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.50	131	3301	0.784	ug/l #	63
67) Ethyl Benzene	11.51	91	15376	0.789	ug/l	96
68) m/p-Xylenes	11.61	106	10802	1.486	ug/l	99
69) o-Xylene	11.94	106	5388	0.757	ug/l	99
70) Styrene	11.96	104	7227	0.641	ug/l	98
71) Bromoform	12.12	173	2047	0.700	ug/l #	82
73) Isopropylbenzene	12.24	105	13786	0.991	ug/l	96
74) N-amyl acetate	12.07	43	3949	0.967	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.50	83	4066	1.014	ug/l	91
76) 1,2,3-Trichloropropane	12.55	75	4132m	1.350	ug/l	
77) Bromobenzene	12.52	156	3561	1.002	ug/l	94
78) n-propylbenzene	12.58	91	13606	0.926	ug/l	98
79) 2-Chlorotoluene	12.67	91	8539	0.933	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	10226	0.890	ug/l	88
81) trans-1,4-Dichloro-2-buten	12.29	75	747m	0.770	ug/l	
82) 4-Chlorotoluene	12.77	91	7368	0.877	ug/l	95
83) tert-Butylbenzene	12.99	119	10943	1.081	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	9674	0.889	ug/l	97
85) sec-Butylbenzene	13.17	105	11972	0.935	ug/l	97
86) p-Isopropyltoluene	13.28	119	9716	0.859	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	4562	0.858	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	4631m	0.909	ug/l	
89) n-Butylbenzene	13.61	91	6876	0.787	ug/l	95
90) Hexachloroethane	13.87	117	1477	0.738	ug/l	82
91) 1,2-Dichlorobenzene	13.65	146	4589	0.852	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.26	75	512	0.936	ug/l #	54

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	1452	0.652	ug/l	91
94) Hexachlorobutadiene	15.00	225	2144	0.986	ug/l	97
95) Naphthalene	15.12	128	4208	0.748	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.30	180	1983	0.820	ug/l	95

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

