

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072619\
 Data File : VN056931.D
 Acq On : 25 Jul 2019 20:04
 Operator : JC/SP
 Sample : K3591-07 2.5PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 7/26/2019 3:37:39 PM

Quant Time: Jul 26 05:25:09 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	448152	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	690730	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	574916	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	172253	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	232172	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	
35) Dibromofluoromethane	7.57	113	210849	47.84	ug/l	0.00
Spiked Amount			Recovery	=	95.68%	
50) Toluene-d8	10.08	98	782292	46.75	ug/l	0.00
Spiked Amount			Recovery	=	93.50%	
62) 4-Bromofluorobenzene	12.40	95	215359	39.41	ug/l	0.00
Spiked Amount			Recovery	=	78.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	9201	1.905	ug/l	97
3) Chloromethane	2.05	50	13347	2.311	ug/l	93
4) Vinyl Chloride	2.18	62	12374	2.275	ug/l	96
5) Bromomethane	2.55	94	10694	3.251	ug/l	98
6) Chloroethane	2.69	64	7161	2.372	ug/l	94
7) Trichlorofluoromethane	3.00	101	17006	2.399	ug/l	91
8) Diethyl Ether	3.40	74	6750	2.543	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	10739	2.466	ug/l	96
10) Methyl Iodide	3.94	142	11646	1.820	ug/l #	93
11) Tert butyl alcohol	4.77	59	12219m	18.265	ug/l	
12) 1,1-Dichloroethene	3.72	96	9825	2.336	ug/l	98
13) Acrolein	3.60	56	4866	12.979	ug/l	97
14) Allyl chloride	4.31	41	15323	2.246	ug/l	97
15) Acrylonitrile	4.98	53	22040	11.448	ug/l	99
16) Acetone	3.80	43	18492	11.677	ug/l	94
17) Carbon Disulfide	4.03	76	24998	2.207	ug/l	99
18) Methyl Acetate	4.31	43	13826	2.494	ug/l #	74
19) Methyl tert-butyl Ether	5.02	73	29472	2.383	ug/l	91
20) Methylene Chloride	4.53	84	12751	2.543	ug/l	93
21) trans-1,2-Dichloroethene	5.03	96	10757m	2.390	ug/l	
22) Diisopropyl ether	5.94	45	34188	2.460	ug/l	96
23) Vinyl Acetate	5.88	43	108946	11.381	ug/l	99
24) 1,1-Dichloroethane	5.83	63	20307	2.487	ug/l	98
25) 2-Butanone	6.83	43	27121m	11.126	ug/l	
26) 2,2-Dichloropropane	6.80	77	13287	2.218	ug/l	96
27) cis-1,2-Dichloroethene	6.81	96	11737	2.285	ug/l	94
28) Bromochloromethane	7.18	49	8730	2.317	ug/l #	97
29) Tetrahydrofuran	7.20	42	18988	11.888	ug/l	97
30) Chloroform	7.36	83	20961	2.493	ug/l	92
31) Cyclohexane	7.64	56	24157	3.040	ug/l #	57
32) 1,1,1-Trichloroethane	7.55	97	16217	2.408	ug/l	95
36) 1,1-Dichloropropene	7.78	75	14479	2.293	ug/l	97
37) Ethyl Acetate	6.92	43	8871	1.734	ug/l #	94
38) Carbon Tetrachloride	7.76	117	13654	2.273	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	17409	2.262	ug/l	96
40) Benzene	8.03	78	47178	2.396	ug/l	99
41) Methacrylonitrile	7.16	41	4907	2.180	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	15167	2.494	ug/l	98
43) Isopropyl Acetate	8.15	43	19069	2.265	ug/l #	90
44) Trichloroethene	8.83	130	12018	2.237	ug/l	94
45) 1,2-Dichloropropane	9.11	63	12356	2.335	ug/l	89
46) Dibromomethane	9.20	93	7209	2.260	ug/l	98
47) Bromodichloromethane	9.39	83	13279	2.131	ug/l	96
48) Methyl methacrylate	9.19	41	9351	2.314	ug/l	92
49) 1,4-Dioxane	9.19	88	4053	47.893	ug/l #	70
51) 4-Methyl-2-Pentanone	9.98	43	57044	11.396	ug/l	95
52) Toluene	10.15	92	27290	2.311	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	12736	2.028	ug/l	94
54) cis-1,3-Dichloropropene	9.83	75	15073	2.038	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	10787	2.279	ug/l	96
56) Ethyl methacrylate	10.42	69	13363	2.100	ug/l	99
57) 1,3-Dichloropropane	10.70	76	18546	2.394	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	25157	10.029	ug/l	99
59) 2-Hexanone	10.74	43	36950	10.767	ug/l	99
60) Dibromochloromethane	10.89	129	9956	2.070	ug/l	98
61) 1,2-Dibromoethane	11.00	107	10578	2.251	ug/l	98
64) Tetrachloroethene	10.62	164	14171	2.698	ug/l	92
65) Chlorobenzene	11.43	112	29443	2.448	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.50	131	10143	2.267	ug/l	96
67) Ethyl Benzene	11.50	91	47150	2.277	ug/l	94
68) m/p-Xylenes	11.62	106	33492	4.337	ug/l	94
69) o-Xylene	11.94	106	17658	2.337	ug/l	96
70) Styrene	11.96	104	24280	2.028	ug/l	96
71) Bromoform	12.12	173	6033	1.942	ug/l #	99
73) Isopropylbenzene	12.24	105	44037	2.809	ug/l	99
74) N-amyl acetate	12.06	43	12622	2.743	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	13506	2.990	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	10112m	2.932	ug/l	
77) Bromobenzene	12.52	156	11136	2.780	ug/l	98
78) n-propylbenzene	12.59	91	42932	2.593	ug/l	100
79) 2-Chlorotoluene	12.67	91	29189	2.832	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	35937	2.776	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	2506m	2.292	ug/l	
82) 4-Chlorotoluene	12.77	91	23860	2.519	ug/l	99
83) tert-Butylbenzene	12.99	119	32294	2.831	ug/l	98
84) 1,2,4-Trimethylbenzene	13.03	105	32503	2.651	ug/l	99
85) sec-Butylbenzene	13.17	105	39370	2.729	ug/l	99
86) p-Isopropyltoluene	13.28	119	34118	2.677	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	14445	2.410	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	13514	2.354	ug/l	84
89) n-Butylbenzene	13.61	91	22637	2.299	ug/l	97
90) Hexachloroethane	13.87	117	6342	2.811	ug/l	80
91) 1,2-Dichlorobenzene	13.65	146	15325	2.524	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1595	2.587	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	3945	1.573	ug/l	98
94) Hexachlorobutadiene	15.00	225	6938	2.831	ug/l	98
95) Naphthalene	15.12	128	10950	1.726	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.29	180	4580	1.681	ug/l	100

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

