

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
 Data File : VN057032.D
 Acq On : 1 Aug 2019 13:15
 Operator : JC/SP
 Sample : VN0801WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBS02

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 11:17:58 AM

Quant Time: Aug 02 05:39:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	473806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	701102	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	610623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	230892	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	245025	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
35) Dibromofluoromethane	7.58	113	224374	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
50) Toluene-d8	10.08	98	838826	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
62) 4-Bromofluorobenzene	12.40	95	258807	46.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	106174	22.166	ug/l	98
3) Chloromethane	2.05	50	117132	20.422	ug/l	99
4) Vinyl Chloride	2.18	62	110155	20.482	ug/l	100
5) Bromomethane	2.55	94	69599	20.816	ug/l	99
6) Chloroethane	2.69	64	60605	20.442	ug/l	99
7) Trichlorofluoromethane	3.00	101	156411	22.217	ug/l	100
8) Diethyl Ether	3.40	74	56264	21.354	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	91914	21.058	ug/l	98
10) Methyl Iodide	3.94	142	119053	20.412	ug/l	98
11) Tert butyl alcohol	4.77	59	77725	118.560	ug/l	99
12) 1,1-Dichloroethene	3.72	96	88632	21.282	ug/l	99
13) Acrolein	3.60	56	26502	77.071	ug/l	91
14) Allyl chloride	4.31	41	139299	20.562	ug/l	98
15) Acrylonitrile	4.97	53	210007	109.236	ug/l	99
16) Acetone	3.81	43	170851	97.236	ug/l	96
17) Carbon Disulfide	4.04	76	209825	18.960	ug/l	99
18) Methyl Acetate	4.31	43	119321	21.287	ug/l	98
19) Methyl tert-butyl Ether	5.03	73	276118	22.235	ug/l	99
20) Methylene Chloride	4.54	84	106836	21.108	ug/l	95
21) trans-1,2-Dichloroethene	5.02	96	91724	20.738	ug/l	95
22) Diisopropyl ether	5.94	45	301278	21.584	ug/l	96
23) Vinyl Acetate	5.88	43	1041593	107.701	ug/l	98
24) 1,1-Dichloroethane	5.83	63	180510	21.919	ug/l	98
25) 2-Butanone	6.82	43	263386	105.712	ug/l	99
26) 2,2-Dichloropropane	6.81	77	133648	21.343	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	110442	21.111	ug/l	99
28) Bromochloromethane	7.18	49	75225	19.433	ug/l	99
29) Tetrahydrofuran	7.20	42	176498	108.575	ug/l	99
30) Chloroform	7.36	83	179056	21.265	ug/l	98
31) Cyclohexane	7.64	56	160089	20.088	ug/l	95
32) 1,1,1-Trichloroethane	7.56	97	147982	22.026	ug/l	98
36) 1,1-Dichloropropene	7.78	75	125016	20.265	ug/l	97
37) Ethyl Acetate	6.91	43	109137	22.088	ug/l	99
38) Carbon Tetrachloride	7.76	117	126995	21.763	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	156968	19.908	ug/l	98
40) Benzene	8.03	78	405720	21.352	ug/l	99
41) Methacrylonitrile	7.16	41	56028	24.529	ug/l	85
42) 1,2-Dichloroethane	8.11	62	130678	21.943	ug/l	99
43) Isopropyl Acetate	8.16	43	174160	21.326	ug/l	93
44) Trichloroethene	8.82	130	110600	21.128	ug/l	97
45) 1,2-Dichloropropane	9.11	63	108398	21.328	ug/l	100
46) Dibromomethane	9.20	93	69160	22.564	ug/l	100
47) Bromodichloromethane	9.39	83	131532	21.826	ug/l	99
48) Methyl methacrylate	9.19	41	86062	21.828	ug/l	98
49) 1,4-Dioxane	9.19	88	36438	448.451	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	531864	109.611	ug/l	100
52) Toluene	10.15	92	247332	21.665	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	136158	21.773	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	156761	21.560	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	100230	21.892	ug/l	99
56) Ethyl methacrylate	10.42	69	135098	20.612	ug/l	99
57) 1,3-Dichloropropane	10.70	76	165364	21.782	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	210571	76.752	ug/l	98
59) 2-Hexanone	10.74	43	365562	99.351	ug/l	99
60) Dibromochloromethane	10.90	129	103906	22.152	ug/l	95
61) 1,2-Dibromoethane	11.00	107	101288	22.670	ug/l	100
64) Tetrachloroethene	10.63	164	115105	21.875	ug/l	96
65) Chlorobenzene	11.43	112	265280	21.316	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	102738	21.933	ug/l	99
67) Ethyl Benzene	11.51	91	461233	21.443	ug/l	99
68) m/p-Xylenes	11.62	106	340874	42.941	ug/l	100
69) o-Xylene	11.94	106	168446	21.689	ug/l	99
70) Styrene	11.96	104	263498	20.346	ug/l	98
71) Bromoform	12.12	173	71659	21.911	ug/l #	98
73) Isopropylbenzene	12.25	105	451821	22.642	ug/l	100
74) N-amyl acetate	12.07	43	130500	22.523	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	129425	24.350	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	110990m	23.670	ug/l	
77) Bromobenzene	12.52	156	115029	22.087	ug/l	99
78) n-propylbenzene	12.59	91	465270	21.837	ug/l	100
79) 2-Chlorotoluene	12.67	91	285368	21.751	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	374103	22.843	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	32586	22.328	ug/l	93
82) 4-Chlorotoluene	12.77	91	265450	21.621	ug/l	99
83) tert-Butylbenzene	12.99	119	333589	23.009	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	359949	22.842	ug/l	100
85) sec-Butylbenzene	13.17	105	416930	22.295	ug/l	99
86) p-Isopropyltoluene	13.29	119	372027	22.407	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	170075	21.469	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	159308	20.889	ug/l	98
89) n-Butylbenzene	13.61	91	262571	20.520	ug/l	98
90) Hexachloroethane	13.87	117	64158	22.442	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	172754	22.157	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18325	23.089	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	58347	16.431	ug/l	98
94) Hexachlorobutadiene	15.00	225	70482	24.163	ug/l	100
95) Naphthalene	15.12	128	140849	16.915	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	68115	18.121	ug/l	98

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

