

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051319\
 Data File : VN055577.D
 Acq On : 13 May 2019 15:28
 Operator : JC/SP
 Sample : VN0513WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/14/2019 9:42:45 AM

Quant Time: May 14 03:08:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 06:48:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	809111	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1365585	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1197170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	481390	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	535836	43.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.96%	
35) Dibromofluoromethane	7.59	113	434515	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
50) Toluene-d8	10.09	98	1708274	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
62) 4-Bromofluorobenzene	12.40	95	578536	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	143215	17.385	ug/l	99
3) Chloromethane	2.06	50	217228	16.232	ug/l	98
4) Vinyl Chloride	2.19	62	224128	17.741	ug/l	100
5) Bromomethane	2.57	94	131815	19.044	ug/l	96
6) Chloroethane	2.71	64	137936	18.745	ug/l	99
7) Trichlorofluoromethane	3.02	101	266789	19.250	ug/l	99
8) Diethyl Ether	3.41	74	123706	19.875	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.75	101	173984	19.732	ug/l	98
10) Methyl Iodide	3.95	142	196280	16.470	ug/l	97
11) Tert butyl alcohol	4.79	59	120195	66.821	ug/l #	88
12) 1,1-Dichloroethene	3.73	96	175121	19.803	ug/l	95
13) Acrolein	3.60	56	86275	71.967	ug/l	98
14) Allyl chloride	4.32	41	324993	17.941	ug/l	98
15) Acrylonitrile	4.99	53	449729	80.744	ug/l	100
16) Acetone	3.82	43	370381	65.660	ug/l	94
17) Carbon Disulfide	4.05	76	437059	18.109	ug/l	99
18) Methyl Acetate	4.32	43	190192	15.299	ug/l	94
19) Methyl tert-butyl Ether	5.04	73	564173	19.200	ug/l	98
20) Methylene Chloride	4.55	84	207156	17.959	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	188185	19.628	ug/l	92
22) Diisopropyl ether	5.95	45	703073	19.099	ug/l	95
23) Vinyl Acetate	5.89	43	2510761	88.195	ug/l	99
24) 1,1-Dichloroethane	5.84	63	375194	18.881	ug/l	99
25) 2-Butanone	6.84	43	567725	72.858	ug/l	95
26) 2,2-Dichloropropane	6.82	77	232454	18.765	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	221497	19.990	ug/l	98
28) Bromochloromethane	7.19	49	187232	18.143	ug/l	94
29) Tetrahydrofuran	7.21	42	389152	75.545	ug/l	97
30) Chloroform	7.37	83	352631	19.196	ug/l	99
31) Cyclohexane	7.65	56	363070	18.466	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	271272	19.392	ug/l	99
36) 1,1-Dichloropropene	7.79	75	272571	20.260	ug/l	97
37) Ethyl Acetate	6.93	43	231301	15.761	ug/l	99
38) Carbon Tetrachloride	7.77	117	220612	19.474	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	318253	19.402	ug/l	99
40) Benzene	8.04	78	828102	19.833	ug/l	98
41) Methacrylonitrile	7.17	41	107458	15.776	ug/l #	86
42) 1,2-Dichloroethane	8.12	62	269950	18.402	ug/l	99
43) Isopropyl Acetate	8.16	43	389420	17.466	ug/l	96
44) Trichloroethene	8.83	130	209139	21.051	ug/l	94
45) 1,2-Dichloropropane	9.12	63	235164	19.684	ug/l	100
46) Dibromomethane	9.21	93	134458	19.417	ug/l	97
47) Bromodichloromethane	9.40	83	259815	19.612	ug/l	97
48) Methyl methacrylate	9.20	41	180064	16.762	ug/l	96
49) 1,4-Dioxane	9.20	88	59533	284.347	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1173028	79.997	ug/l	98
52) Toluene	10.15	92	494125	20.700	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	248743	19.550	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	308257	20.275	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	191353	19.785	ug/l	98
56) Ethyl methacrylate	10.43	69	265369	18.447	ug/l	99
57) 1,3-Dichloropropane	10.71	76	337154	19.636	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	311619	73.639	ug/l	99
59) 2-Hexanone	10.75	43	776365	75.496	ug/l	99
60) Dibromochloromethane	10.90	129	174814	19.880	ug/l	98
61) 1,2-Dibromoethane	11.00	107	183816	19.781	ug/l	98
64) Tetrachloroethene	10.63	164	209449	21.351	ug/l	97
65) Chlorobenzene	11.43	112	513370	20.843	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	175449	20.692	ug/l	99
67) Ethyl Benzene	11.51	91	926132	20.021	ug/l	99
68) m/p-Xylenes	11.62	106	674262	40.616	ug/l	98
69) o-Xylene	11.94	106	328519	20.134	ug/l	99
70) Styrene	11.96	104	549911	21.036	ug/l	98
71) Bromoform	12.12	173	109294	19.101	ug/l	99
73) Isopropylbenzene	12.25	105	875846	20.592	ug/l	99
74) N-amyl acetate	12.07	43	277613	15.190	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	249144	17.726	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	213743m	16.310	ug/l	
77) Bromobenzene	12.53	156	207732	19.581	ug/l	90
78) n-propylbenzene	12.59	91	995144	19.274	ug/l	100
79) 2-Chlorotoluene	12.67	91	593370	18.440	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	717393	18.634	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	57371	16.153	ug/l	98
82) 4-Chlorotoluene	12.77	91	587804	19.333	ug/l	98
83) tert-Butylbenzene	12.99	119	603610	18.291	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	685168	19.405	ug/l	99
85) sec-Butylbenzene	13.17	105	805209	18.360	ug/l	100
86) p-Isopropyltoluene	13.29	119	690793	19.354	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	335870	20.489	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	326291	20.169	ug/l	99
89) n-Butylbenzene	13.61	91	533153	19.271	ug/l	98
90) Hexachloroethane	13.87	117	100851	17.321	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	329038	20.083	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34693	15.672	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	131531	20.461	ug/l	99
94) Hexachlorobutadiene	15.01	225	102734	19.781	ug/l	100
95) Naphthalene	15.13	128	346730	19.197	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	143630	20.115	ug/l	98

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

