

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021519\
 Data File : VN053818.D
 Acq On : 16 Feb 2019 00:13
 Operator : JC/SP
 Sample : VN0215WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0215WBSD02

Manual Integrations
 APPROVED

MMDadoda
 2/18/2019 9:48:35 AM

Quant Time: Feb 16 05:52:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	572912	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	936049	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	803249	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	370559	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	304116	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	
35) Dibromofluoromethane	7.59	113	289065	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
50) Toluene-d8	10.09	98	1123395	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
62) 4-Bromofluorobenzene	12.40	95	346172	46.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	110871	17.388	ug/l	99
3) Chloromethane	2.06	50	132299	19.451	ug/l	98
4) Vinyl Chloride	2.19	62	142126	21.526	ug/l	99
5) Bromomethane	2.58	94	98612	22.842	ug/l	100
6) Chloroethane	2.71	64	89547	23.733	ug/l	100
7) Trichlorofluoromethane	3.02	101	193514	21.613	ug/l	99
8) Diethyl Ether	3.42	74	71381	21.830	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.77	101	115005	20.769	ug/l	97
10) Methyl Iodide	3.96	142	168620	19.401	ug/l	100
11) Tert butyl alcohol	4.78	59	36251	106.575	ug/l	99
12) 1,1-Dichloroethene	3.74	96	110889	20.901	ug/l	96
13) Acrolein	3.61	56	20662	111.569	ug/l	98
14) Allyl chloride	4.33	41	162827	19.276	ug/l	99
15) Acrylonitrile	4.99	53	202786	110.433	ug/l	100
16) Acetone	3.82	43	141001	95.644	ug/l	99
17) Carbon Disulfide	4.06	76	291580	17.651	ug/l	100
18) Methyl Acetate	4.33	43	107664	24.660	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	297792	22.142	ug/l	99
20) Methylene Chloride	4.55	84	125366	20.269	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	112844	19.715	ug/l	97
22) Diisopropyl ether	5.95	45	338621	21.634	ug/l	93
23) Vinyl Acetate	5.90	43	1092614	100.908	ug/l	99
24) 1,1-Dichloroethane	5.85	63	217201	20.805	ug/l	99
25) 2-Butanone	6.84	43	210730	100.225	ug/l	99
26) 2,2-Dichloropropane	6.82	77	134117	16.829	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	132253	20.780	ug/l	96
28) Bromochloromethane	7.19	49	94425	20.843	ug/l	93
29) Tetrahydrofuran	7.21	42	144214	106.815	ug/l	97
30) Chloroform	7.37	83	215770	20.850	ug/l	97
31) Cyclohexane	7.66	56	178773	18.285	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	181735	21.102	ug/l	99
36) 1,1-Dichloropropene	7.79	75	149618	17.732	ug/l	97
37) Ethyl Acetate	6.93	43	94822	20.121	ug/l	98
38) Carbon Tetrachloride	7.77	117	159047	18.711	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	167020	16.684	ug/l	96
40) Benzene	8.04	78	479568	18.431	ug/l	99
41) Methacrylonitrile	7.18	41	47533	18.047	ug/l #	82
42) 1,2-Dichloroethane	8.12	62	149246	19.317	ug/l	100
43) Isopropyl Acetate	8.17	43	171455	18.839	ug/l	99
44) Trichloroethene	8.84	130	137789	18.600	ug/l	98
45) 1,2-Dichloropropane	9.12	63	130026	19.537	ug/l	99
46) Dibromomethane	9.21	93	78888	19.663	ug/l	98
47) Bromodichloromethane	9.40	83	164761	19.752	ug/l	97
48) Methyl methacrylate	9.20	41	82421	18.972	ug/l	98
49) 1,4-Dioxane	9.20	88	23703	400.919	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	481896	107.752	ug/l	100
52) Toluene	10.16	92	314714	20.379	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	156055	18.683	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	193524	19.552	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	114082	20.501	ug/l	96
56) Ethyl methacrylate	10.43	69	132160	20.076	ug/l	98
57) 1,3-Dichloropropane	10.71	76	188627	19.834	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	295838	78.150	ug/l	99
59) 2-Hexanone	10.75	43	275707	90.810	ug/l	100
60) Dibromochloromethane	10.90	129	125292	19.966	ug/l	99
61) 1,2-Dibromoethane	11.01	107	106991	19.425	ug/l	98
64) Tetrachloroethene	10.63	164	135744	19.714	ug/l	99
65) Chlorobenzene	11.44	112	326574	19.141	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	122751	20.600	ug/l	99
67) Ethyl Benzene	11.51	91	531789	18.974	ug/l	100
68) m/p-Xylenes	11.62	106	414501	38.749	ug/l	100
69) o-Xylene	11.95	106	206057	19.939	ug/l	98
70) Styrene	11.96	104	324457	19.370	ug/l	100
71) Bromoform	12.13	173	86379	21.145	ug/l #	100
73) Isopropylbenzene	12.25	105	542749	20.835	ug/l	100
74) N-amyl acetate	12.07	43	124692	19.906	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	132880	21.314	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	115306m	24.226	ug/l	
77) Bromobenzene	12.53	156	143240	20.403	ug/l	97
78) n-propylbenzene	12.59	91	605363	20.102	ug/l	100
79) 2-Chlorotoluene	12.67	91	366771	20.529	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	450439	20.852	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	29381	17.358	ug/l	95
82) 4-Chlorotoluene	12.77	91	360518	19.665	ug/l	99
83) tert-Butylbenzene	12.99	119	412022	21.581	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	456862	20.759	ug/l	100
85) sec-Butylbenzene	13.17	105	544194	20.946	ug/l	99
86) p-Isopropyltoluene	13.29	119	467730	20.585	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	246272	19.513	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	237686	19.039	ug/l	100
89) n-Butylbenzene	13.62	91	372555	18.943	ug/l	98
90) Hexachloroethane	13.88	117	83923	22.392	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	245321	20.304	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18805	21.165	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	121908	17.592	ug/l	99
94) Hexachlorobutadiene	15.01	225	91602	21.226	ug/l	99
95) Naphthalene	15.13	128	237497	15.820	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	122939	19.120	ug/l	99

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

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