

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121819\
 Data File : VN059657.D
 Acq On : 18 Dec 2019 18:16
 Operator : JC/SP
 Sample : VN1218WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218WBSD02

Manual Integrations
 APPROVED

MMDadoda
 12/19/2019 11:12:05 AM

Quant Time: Dec 19 05:58:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	218182	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	355537	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	326205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	149105	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	147870	46.58	ug/l	0.00
Spiked Amount						
			Recovery	=	93.16%	
35) Dibromofluoromethane	7.57	113	102438	46.05	ug/l	0.00
Spiked Amount						
			Recovery	=	92.10%	
50) Toluene-d8	10.08	98	398483	45.24	ug/l	0.00
Spiked Amount						
			Recovery	=	90.48%	
62) 4-Bromofluorobenzene	12.40	95	139996	43.56	ug/l	0.00
Spiked Amount						
			Recovery	=	87.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	48628	17.248	ug/l	99
3) Chloromethane	2.04	50	77413	17.303	ug/l	99
4) Vinyl Chloride	2.17	62	68204	16.075	ug/l	99
5) Bromomethane	2.54	94	40240	16.315	ug/l	99
6) Chloroethane	2.67	64	44272	18.566	ug/l	99
7) Trichlorofluoromethane	2.99	101	83846	18.012	ug/l	100
8) Diethyl Ether	3.38	74	30687	21.098	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.73	101	50214	21.405	ug/l	98
10) Methyl Iodide	3.92	142	55106	17.744	ug/l	99
11) Tert butyl alcohol	4.75	59	46727	80.279	ug/l #	91
12) 1,1-Dichloroethene	3.71	96	48988	21.407	ug/l	98
13) Acrolein	3.58	56	41428	99.918	ug/l	97
14) Allyl chloride	4.29	41	77570	16.512	ug/l	99
15) Acrylonitrile	4.95	53	126492	89.843	ug/l	100
16) Acetone	3.79	43	134598	71.407	ug/l	98
17) Carbon Disulfide	4.02	76	120445	15.964	ug/l	100
18) Methyl Acetate	4.29	43	67696	17.139	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	137423	17.008	ug/l	98
20) Methylene Chloride	4.52	84	47888	17.591	ug/l	96
21) trans-1,2-Dichloroethene	5.00	96	42791	16.773	ug/l	95
22) Diisopropyl ether	5.92	45	151900	17.539	ug/l	98
23) Vinyl Acetate	5.86	43	654012	96.224	ug/l	99
24) 1,1-Dichloroethane	5.82	63	87278	17.790	ug/l	98
25) 2-Butanone	6.81	43	177832	78.895	ug/l	98
26) 2,2-Dichloropropane	6.79	77	75311	16.890	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	49190	17.401	ug/l	98
28) Bromochloromethane	7.17	49	39206	19.309	ug/l	97
29) Tetrahydrofuran	7.19	42	116411	84.764	ug/l	99
30) Chloroform	7.35	83	84116	17.418	ug/l	99
31) Cyclohexane	7.63	56	76775	16.562	ug/l	96
32) 1,1,1-Trichloroethane	7.54	97	74772	17.174	ug/l	99
36) 1,1-Dichloropropene	7.77	75	63595	17.152	ug/l	99
37) Ethyl Acetate	6.90	43	75378	17.492	ug/l	98
38) Carbon Tetrachloride	7.75	117	64326	16.719	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	67284	15.998	ug/l	98
40) Benzene	8.02	78	189199	17.461	ug/l	99
41) Methacrylonitrile	7.15	41	24460m	13.753	ug/l	
42) 1,2-Dichloroethane	8.10	62	72767	17.536	ug/l	99
43) Isopropyl Acetate	8.14	43	114526	17.094	ug/l	99
44) Trichloroethene	8.82	130	48363	17.040	ug/l	99
45) 1,2-Dichloropropane	9.10	63	52520	17.950	ug/l	97
46) Dibromomethane	9.19	93	33185	17.311	ug/l	100
47) Bromodichloromethane	9.39	83	65316	17.090	ug/l	99
48) Methyl methacrylate	9.18	41	51331	16.887	ug/l	96
49) 1,4-Dioxane	9.18	88	14473	332.244	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	352432	88.226	ug/l	99
52) Toluene	10.14	92	111929	16.812	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	75057	16.981	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	78932	16.988	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	45907	17.572	ug/l	99
56) Ethyl methacrylate	10.42	69	63121	16.275	ug/l	100
57) 1,3-Dichloropropane	10.70	76	79666	17.514	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	115053	93.276	ug/l	98
59) 2-Hexanone	10.74	43	259989	82.580	ug/l	99
60) Dibromochloromethane	10.89	129	48832	17.126	ug/l	100
61) 1,2-Dibromoethane	11.00	107	46674	16.846	ug/l	99
64) Tetrachloroethene	10.62	164	45481	14.957	ug/l	97
65) Chlorobenzene	11.43	112	117838	16.695	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	43524	16.234	ug/l	96
67) Ethyl Benzene	11.51	91	208550	16.369	ug/l	99
68) m/p-Xylenes	11.62	106	155008	32.948	ug/l	99
69) o-Xylene	11.94	106	73741	16.473	ug/l	99
70) Styrene	11.96	104	114796	15.961	ug/l	98
71) Bromoform	12.12	173	33109	16.429	ug/l #	99
73) Isopropylbenzene	12.25	105	198069	16.922	ug/l	99
74) N-amyl acetate	12.07	43	87202	16.242	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	64453	17.359	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	67958m	18.411	ug/l	
77) Bromobenzene	12.52	156	47916	16.646	ug/l	97
78) n-propylbenzene	12.59	91	232517	16.805	ug/l	99
79) 2-Chlorotoluene	12.67	91	141635	16.929	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	166997	16.860	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	23978	16.044	ug/l	97
82) 4-Chlorotoluene	12.77	91	142476	16.632	ug/l	100
83) tert-Butylbenzene	12.99	119	139206	16.595	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	163158	16.566	ug/l	99
85) sec-Butylbenzene	13.17	105	189129	16.950	ug/l	99
86) p-Isopropyltoluene	13.29	119	165560	16.382	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	84043	15.878	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	83751	15.694	ug/l	97
89) n-Butylbenzene	13.61	91	142609	15.051	ug/l	98
90) Hexachloroethane	13.87	117	31681	16.585	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	85632	16.404	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15675	16.214	ug/l	95

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93) 1,2,4-Trichlorobenzene	14.91	180	46832	13.894	ug/l	100
94) Hexachlorobutadiene	15.00	225	25140	14.864	ug/l	97
95) Naphthalene	15.12	128	137368	13.651	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	47539	13.944	ug/l	100

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

