

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072219\
 Data File : VN056858.D
 Acq On : 22 Jul 2019 16:57
 Operator : JC/SP
 Sample : VN0722WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0722WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 3:01:40 PM

Quant Time: Jul 23 02:28:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 23 01:46:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	352367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	536582	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	466022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	182812	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	189158	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
35) Dibromofluoromethane	7.59	113	167061	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
50) Toluene-d8	10.09	98	643551	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
62) 4-Bromofluorobenzene	12.40	95	201632	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.85	85	64131	14.569	ug/l	98
3) Chloromethane	2.06	50	73567	14.959	ug/l	98
4) Vinyl Chloride	2.19	62	70454	15.595	ug/l	99
5) Bromomethane	2.56	94	45871	16.693	ug/l	99
6) Chloroethane	2.70	64	38309	15.474	ug/l	98
7) Trichlorofluoromethane	3.01	101	83475	15.125	ug/l	98
8) Diethyl Ether	3.41	74	30717	14.937	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	52401	15.352	ug/l	98
10) Methyl Iodide	3.94	142	62604	13.141	ug/l	100
11) Tert butyl alcohol	4.81	59	38765	72.605	ug/l	99
12) 1,1-Dichloroethene	3.73	96	51914	15.182	ug/l	99
13) Acrolein	3.60	56	45717	102.909	ug/l	99
14) Allyl chloride	4.32	41	85667	15.238	ug/l	100
15) Acrylonitrile	4.99	53	122872	76.480	ug/l	96
16) Acetone	3.82	43	111199	82.158	ug/l	99
17) Carbon Disulfide	4.04	76	137353	14.717	ug/l	100
18) Methyl Acetate	4.33	43	72752	15.117	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	153671	15.211	ug/l	99
20) Methylene Chloride	4.55	84	60276	14.894	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	56068	15.697	ug/l	99
22) Diisopropyl ether	5.96	45	174006	15.310	ug/l	99
23) Vinyl Acetate	5.90	43	624384	76.053	ug/l	100
24) 1,1-Dichloroethane	5.85	63	101068	15.349	ug/l	100
25) 2-Butanone	6.84	43	157443	79.139	ug/l	98
26) 2,2-Dichloropropane	6.82	77	71971	15.620	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	63119	15.414	ug/l	99
28) Bromochloromethane	7.20	49	54922	18.375	ug/l	99
29) Tetrahydrofuran	7.22	42	105936	77.449	ug/l	100
30) Chloroform	7.37	83	98660	14.946	ug/l	97
31) Cyclohexane	7.65	56	96040	15.033	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	79586	14.903	ug/l	98
36) 1,1-Dichloropropene	7.79	75	74867	15.130	ug/l	99
37) Ethyl Acetate	6.94	43	65835	16.498	ug/l	99
38) Carbon Tetrachloride	7.77	117	69168	14.683	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	90998	14.696	ug/l	99
40) Benzene	8.04	78	232939	15.155	ug/l	98
41) Methacrylonitrile	7.18	41	28719	14.495	ug/l	94
42) 1,2-Dichloroethane	8.12	62	75931	15.810	ug/l	100
43) Isopropyl Acetate	8.17	43	103685	15.114	ug/l	99
44) Trichloroethene	8.84	130	62655	15.220	ug/l	97
45) 1,2-Dichloropropane	9.12	63	61684	14.897	ug/l	100
46) Dibromomethane	9.21	93	39402	15.417	ug/l	99
47) Bromodichloromethane	9.40	83	71522	14.880	ug/l	99
48) Methyl methacrylate	9.20	41	51314	14.953	ug/l	98
49) 1,4-Dioxane	9.20	88	21302	316.454	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	312358	76.356	ug/l	99
52) Toluene	10.15	92	141534	15.302	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	72977	14.794	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	87198	14.994	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	53340	14.529	ug/l	95
56) Ethyl methacrylate	10.43	69	76717	15.053	ug/l	99
57) 1,3-Dichloropropane	10.71	76	93732	15.425	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	183175	80.296	ug/l	99
59) 2-Hexanone	10.75	43	218901	77.306	ug/l	99
60) Dibromochloromethane	10.90	129	54660	14.838	ug/l	99
61) 1,2-Dibromoethane	11.00	107	57032	15.642	ug/l	97
64) Tetrachloroethene	10.63	164	61950	15.496	ug/l	99
65) Chlorobenzene	11.43	112	146441	15.121	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	53260	14.588	ug/l	98
67) Ethyl Benzene	11.51	91	253807	15.181	ug/l	98
68) m/p-Xylenes	11.62	106	189505	30.278	ug/l	99
69) o-Xylene	11.94	106	94516	15.469	ug/l	100
70) Styrene	11.96	104	150400	14.401	ug/l	99
71) Bromoform	12.12	173	36402	14.388	ug/l #	99
73) Isopropylbenzene	12.25	105	242899	14.884	ug/l	100
74) N-amyl acetate	12.07	43	79633	14.836	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	72224	15.720	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	60807m	16.050	ug/l	
77) Bromobenzene	12.52	156	62873	15.767	ug/l	98
78) n-propylbenzene	12.59	91	262773	15.638	ug/l	98
79) 2-Chlorotoluene	12.67	91	161119	15.237	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	205920	15.116	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	17861	15.099	ug/l	89
82) 4-Chlorotoluene	12.77	91	151743	15.179	ug/l	99
83) tert-Butylbenzene	12.99	119	180506	15.430	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	202703	16.005	ug/l	98
85) sec-Butylbenzene	13.17	105	234795	15.776	ug/l	100
86) p-Isopropyltoluene	13.29	119	207042	15.615	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	97181	15.204	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	95028	15.303	ug/l	98
89) n-Butylbenzene	13.61	91	158404	15.539	ug/l	99
90) Hexachloroethane	13.87	117	33619	14.523	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	98286	15.298	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	10330	14.768	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	37279	14.034	ug/l	100
94) Hexachlorobutadiene	15.00	225	39282	16.593	ug/l	98
95) Naphthalene	15.13	128	91758	13.192	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	43182	14.112	ug/l	98

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

