

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071819\
 Data File : VN056811.D
 Acq On : 18 Jul 2019 14:23
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/19/2019 11:31:42 PM

Quant Time: Jul 19 05:57:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	329771	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	489315	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	438095	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	197564	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	179294	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	
35) Dibromofluoromethane	7.59	113	157366	51.68	ug/l	0.00
Spiked Amount			Recovery	=	103.36%	
50) Toluene-d8	10.09	98	608413	51.73	ug/l	0.00
Spiked Amount			Recovery	=	103.46%	
62) 4-Bromofluorobenzene	12.40	95	209889	52.92	ug/l	0.00
Spiked Amount			Recovery	=	105.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	135727	43.832	ug/l	99
3) Chloromethane	2.06	50	178486	42.873	ug/l	99
4) Vinyl Chloride	2.18	62	176662	44.066	ug/l	99
5) Bromomethane	2.54	94	105135m	44.595	ug/l	
6) Chloroethane	2.69	64	101766	43.561	ug/l	97
7) Trichlorofluoromethane	3.00	101	235657	45.810	ug/l	99
8) Diethyl Ether	3.41	74	93766	46.752	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	147610	47.761	ug/l	99
10) Methyl Iodide	3.95	142	192879	46.658	ug/l	100
11) Tert butyl alcohol	4.79	59	142946	235.433	ug/l	99
12) 1,1-Dichloroethene	3.73	96	142034	45.817	ug/l	97
13) Acrolein	3.60	56	32458	160.507	ug/l	97
14) Allyl chloride	4.32	41	248683	46.386	ug/l	99
15) Acrylonitrile	4.98	53	418814	238.859	ug/l	99
16) Acetone	3.81	43	396526	235.892	ug/l	100
17) Carbon Disulfide	4.05	76	351968	42.965	ug/l	98
18) Methyl Acetate	4.32	43	176656	46.729	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	463207	46.896	ug/l	98
20) Methylene Chloride	4.55	84	170079	46.300	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	150836	46.030	ug/l	95
22) Diisopropyl ether	5.95	45	514302	48.601	ug/l	99
23) Vinyl Acetate	5.89	43	2117579	246.944	ug/l	100
24) 1,1-Dichloroethane	5.84	63	287249	46.820	ug/l	99
25) 2-Butanone	6.83	43	578511	235.399	ug/l	99
26) 2,2-Dichloropropane	6.82	77	215793	48.781	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	180018	47.742	ug/l	99
28) Bromochloromethane	7.19	49	135981	47.140	ug/l	100
29) Tetrahydrofuran	7.21	42	373430	232.971	ug/l	99
30) Chloroform	7.37	83	284304	46.308	ug/l	98
31) Cyclohexane	7.65	56	268980	46.127	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	233812	48.155	ug/l	100
36) 1,1-Dichloropropene	7.79	75	216656	47.849	ug/l	99
37) Ethyl Acetate	6.93	43	219161	49.110	ug/l	98
38) Carbon Tetrachloride	7.77	117	204169	48.082	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	274147	49.034	ug/l	96
40) Benzene	8.04	78	663990	47.859	ug/l	98
41) Methacrylonitrile	7.18	41	91624m	46.740	ug/l	
42) 1,2-Dichloroethane	8.12	62	213524	48.697	ug/l	99
43) Isopropyl Acetate	8.16	43	348923	49.734	ug/l	100
44) Trichloroethene	8.83	130	181994	48.306	ug/l	97
45) 1,2-Dichloropropane	9.12	63	181690	49.285	ug/l	97
46) Dibromomethane	9.21	93	115515	50.564	ug/l	98
47) Bromodichloromethane	9.40	83	216792	49.938	ug/l	97
48) Methyl methacrylate	9.20	41	175735	51.795	ug/l	97
49) 1,4-Dioxane	9.20	88	72109	1035.767	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1111629	244.637	ug/l	99
52) Toluene	10.15	92	415491	50.427	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	232228	51.273	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	268556	51.096	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	169136	48.942	ug/l	98
56) Ethyl methacrylate	10.43	69	258227	51.931	ug/l	100
57) 1,3-Dichloropropane	10.71	76	281457	49.866	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	595267	248.947	ug/l	100
59) 2-Hexanone	10.75	43	822244	252.185	ug/l	99
60) Dibromochloromethane	10.90	129	173520	51.054	ug/l	98
61) 1,2-Dibromoethane	11.00	107	171708	49.996	ug/l	99
64) Tetrachloroethene	10.63	164	182413	48.263	ug/l	98
65) Chlorobenzene	11.43	112	447411	49.946	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	163319	49.518	ug/l	98
67) Ethyl Benzene	11.51	91	784838	49.854	ug/l	100
68) m/p-Xylenes	11.62	106	593991	100.960	ug/l	99
69) o-Xylene	11.95	106	284862	49.249	ug/l	98
70) Styrene	11.96	104	486317	52.006	ug/l	100
71) Bromoform	12.13	173	127263	50.712	ug/l #	98
73) Isopropylbenzene	12.25	105	769507	48.306	ug/l	100
74) N-amyl acetate	12.07	43	286459	48.285	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	237572	51.563	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	210479m	48.710	ug/l	
77) Bromobenzene	12.52	156	199934	47.985	ug/l	98
78) n-propylbenzene	12.59	91	860081	48.634	ug/l	100
79) 2-Chlorotoluene	12.67	91	513857	52.669	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	654046	48.444	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	72085	51.521	ug/l	99
82) 4-Chlorotoluene	12.77	91	512064	49.340	ug/l	99
83) tert-Butylbenzene	12.99	119	552451	52.565	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	647140	49.064	ug/l	100
85) sec-Butylbenzene	13.17	105	737193	49.139	ug/l	100
86) p-Isopropyltoluene	13.29	119	676422	49.772	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	334404	48.973	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	326499	49.157	ug/l	100
89) n-Butylbenzene	13.61	91	561211	51.265	ug/l	99
90) Hexachloroethane	13.87	117	108332	49.292	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	333356	47.733	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40470	47.378	ug/l	99

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93) 1,2,4-Trichlorobenzene	14.91	180	171996	44.980	ug/l	100
94) Hexachlorobutadiene	15.01	225	119164	54.425	ug/l	100
95) Naphthalene	15.13	128	421449	40.737	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	171147	45.033	ug/l	98

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

