

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071619\
 Data File : VN056753.D
 Acq On : 16 Jul 2019 8:56
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 4:57:16 PM

Quant Time: Jul 17 01:18:45 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	355055	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	529720	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	479436	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	229896	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	183669	46.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.54%	
35) Dibromofluoromethane	7.59	113	164295	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
50) Toluene-d8	10.09	98	635984	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
62) 4-Bromofluorobenzene	12.40	95	223452	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	146550	43.957	ug/l	98
3) Chloromethane	2.06	50	189110	42.190	ug/l	100
4) Vinyl Chloride	2.19	62	192679	44.639	ug/l	99
5) Bromomethane	2.56	94	119571	47.106	ug/l	100
6) Chloroethane	2.70	64	112754	44.828	ug/l	100
7) Trichlorofluoromethane	3.01	101	249658	45.076	ug/l	98
8) Diethyl Ether	3.41	74	97712	45.250	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	155546	46.745	ug/l	99
10) Methyl Iodide	3.95	142	191014	42.917	ug/l	100
11) Tert butyl alcohol	4.78	59	130078	198.983	ug/l	100
12) 1,1-Dichloroethene	3.73	96	152907	45.812	ug/l	99
13) Acrolein	3.60	56	48641	219.223	ug/l	100
14) Allyl chloride	4.32	41	261627	45.326	ug/l	100
15) Acrylonitrile	4.98	53	412510	218.510	ug/l	99
16) Acetone	3.81	43	461870	255.199	ug/l	99
17) Carbon Disulfide	4.05	76	406551	46.094	ug/l	99
18) Methyl Acetate	4.32	43	167629	41.065	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	477654	44.915	ug/l	98
20) Methylene Chloride	4.55	84	174817	44.201	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	166933	47.315	ug/l	99
22) Diisopropyl ether	5.95	45	530680	46.578	ug/l	96
23) Vinyl Acetate	5.89	43	2202980	238.609	ug/l	100
24) 1,1-Dichloroethane	5.85	63	302176	45.745	ug/l	99
25) 2-Butanone	6.83	43	604006	228.271	ug/l	100
26) 2,2-Dichloropropane	6.82	77	228386	47.951	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	190988	47.044	ug/l	99
28) Bromochloromethane	7.19	49	132441	42.643	ug/l	100
29) Tetrahydrofuran	7.21	42	373510	216.427	ug/l	99
30) Chloroform	7.37	83	296200	44.810	ug/l	99
31) Cyclohexane	7.65	56	292886	46.650	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	244761	46.820	ug/l	100
36) 1,1-Dichloropropene	7.79	75	230749	47.074	ug/l	99
37) Ethyl Acetate	6.92	43	221277	45.802	ug/l	99
38) Carbon Tetrachloride	7.77	117	216696	47.139	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	302196	49.929	ug/l	99
40) Benzene	8.04	78	704298	46.892	ug/l	99
41) Methacrylonitrile	7.17	41	93131	43.885	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	221404	46.642	ug/l	100
43) Isopropyl Acetate	8.16	43	361284	47.568	ug/l	99
44) Trichloroethene	8.83	130	197145	48.336	ug/l	96
45) 1,2-Dichloropropane	9.12	63	188662	47.273	ug/l	100
46) Dibromomethane	9.21	93	119303	48.239	ug/l	99
47) Bromodichloromethane	9.40	83	228151	48.546	ug/l	97
48) Methyl methacrylate	9.20	41	174395	47.479	ug/l	100
49) 1,4-Dioxane	9.20	88	55961	742.506	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1112694	226.193	ug/l	100
52) Toluene	10.15	92	437002	48.993	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	250062	50.999	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	284432	49.989	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	173243	46.307	ug/l	99
56) Ethyl methacrylate	10.43	69	266441	49.496	ug/l	99
57) 1,3-Dichloropropane	10.71	76	290317	47.512	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	582614	225.071	ug/l	98
59) 2-Hexanone	10.75	43	846723	239.884	ug/l	100
60) Dibromochloromethane	10.90	129	181027	49.200	ug/l	98
61) 1,2-Dibromoethane	11.00	107	180885	48.650	ug/l	100
64) Tetrachloroethene	10.63	164	194313	46.979	ug/l	99
65) Chlorobenzene	11.43	112	470420	47.987	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	171500	47.514	ug/l	98
67) Ethyl Benzene	11.51	91	842726	48.915	ug/l	99
68) m/p-Xylenes	11.62	106	635152	98.647	ug/l	100
69) o-Xylene	11.95	106	300249	47.433	ug/l	98
70) Styrene	11.96	104	523003	51.106	ug/l	99
71) Bromoform	12.12	173	134639	49.025	ug/l #	98
73) Isopropylbenzene	12.25	105	811356	43.770	ug/l	100
74) N-amyl acetate	12.07	43	293946	42.579	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	243367	45.150	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	210010m	41.767	ug/l	
77) Bromobenzene	12.52	156	212125	43.751	ug/l	98
78) n-propylbenzene	12.59	91	937607	45.561	ug/l	100
79) 2-Chlorotoluene	12.67	91	544369	47.797	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	694864	44.229	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	72422	44.482	ug/l	99
82) 4-Chlorotoluene	12.77	91	553365	45.820	ug/l	100
83) tert-Butylbenzene	12.99	119	582467	47.487	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	693936	45.213	ug/l	100
85) sec-Butylbenzene	13.17	105	789885	45.247	ug/l	99
86) p-Isopropyltoluene	13.29	119	731554	46.258	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	366805	46.163	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	358616	46.399	ug/l	99
89) n-Butylbenzene	13.61	91	648030	50.871	ug/l	100
90) Hexachloroethane	13.87	117	112572	44.018	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	357913	44.042	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	41841	42.094	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	201880	45.338	ug/l	99
94) Hexachlorobutadiene	15.01	225	125208	49.014	ug/l	99
95) Naphthalene	15.13	128	497091	41.230	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	200894	45.397	ug/l	99

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

