

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\
 Data File : VN054331.D
 Acq On : 16 Mar 2019 11:59
 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
 3/18/2019 11:30:36 AM

Quant Time: Mar 18 05:17:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1439454	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	2116563	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1869636	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	908675	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	734075	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
35) Dibromofluoromethane	7.59	113	686162	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
50) Toluene-d8	10.09	98	2529501	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
62) 4-Bromofluorobenzene	12.40	95	882635	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	690083	50.584	ug/l	100
3) Chloromethane	2.06	50	595590	44.944	ug/l	100
4) Vinyl Chloride	2.19	62	695365	45.910	ug/l	99
5) Bromomethane	2.57	94	471804	44.975	ug/l	98
6) Chloroethane	2.71	64	414166	45.193	ug/l	97
7) Trichlorofluoromethane	3.02	101	915367	45.455	ug/l	99
8) Diethyl Ether	3.41	74	457327	49.835	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	783963	51.951	ug/l	99
10) Methyl Iodide	3.94	142	1021720	47.746	ug/l	100
11) Tert butyl alcohol	4.82	59	248102	236.740	ug/l	100
12) 1,1-Dichloroethene	3.73	96	725035	48.483	ug/l	100
13) Acrolein	3.60	56	208300	209.755	ug/l	100
14) Allyl chloride	4.31	41	916702	47.777	ug/l	100
15) Acrylonitrile	4.99	53	1129765	262.440	ug/l	100
16) Acetone	3.82	43	1120675	256.035	ug/l	100
17) Carbon Disulfide	4.04	76	1620094	43.216	ug/l	99
18) Methyl Acetate	4.33	43	530499	59.906	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1861782	50.227	ug/l	99
20) Methylene Chloride	4.55	84	705964	49.120	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	695368	48.531	ug/l	99
22) Diisopropyl ether	5.96	45	1965689	51.332	ug/l	97
23) Vinyl Acetate	5.90	43	7120354	252.189	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1216421	49.473	ug/l	100
25) 2-Butanone	6.85	43	1446914	281.649	ug/l	100
26) 2,2-Dichloropropane	6.82	77	985623	45.583	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	810253	50.689	ug/l	98
28) Bromochloromethane	7.19	49	485531	48.303	ug/l	98
29) Tetrahydrofuran	7.22	42	855188	258.906	ug/l	98
30) Chloroform	7.37	83	1306376	50.917	ug/l	99
31) Cyclohexane	7.65	56	1103915	47.973	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	1121566	48.402	ug/l	100
36) 1,1-Dichloropropene	7.79	75	976977	50.123	ug/l	99
37) Ethyl Acetate	6.94	43	588883	52.580	ug/l	99
38) Carbon Tetrachloride	7.77	117	999673	48.906	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1229119	51.251	ug/l	98
40) Benzene	8.04	78	2865510	51.374	ug/l	100
41) Methacrylonitrile	7.17	41	323907	50.652	ug/l	99
42) 1,2-Dichloroethane	8.12	62	948493	50.368	ug/l	100
43) Isopropyl Acetate	8.17	43	994240	50.575	ug/l	98
44) Trichloroethene	8.83	130	872081	50.330	ug/l	98
45) 1,2-Dichloropropane	9.12	63	721945	52.126	ug/l	100
46) Dibromomethane	9.21	93	474354	50.690	ug/l	100
47) Bromodichloromethane	9.40	83	971286	51.774	ug/l	99
48) Methyl methacrylate	9.20	41	532974	53.423	ug/l	98
49) 1,4-Dioxane	9.20	88	159218	1128.284	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	2874822	276.334	ug/l	98
52) Toluene	10.16	92	1828962	51.714	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	942829	44.181	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1112754	50.900	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	676863	52.414	ug/l	99
56) Ethyl methacrylate	10.43	69	836408	54.319	ug/l	96
57) 1,3-Dichloropropane	10.71	76	1116139	52.858	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1621890	243.273	ug/l	100
59) 2-Hexanone	10.75	43	1930305	278.848	ug/l	98
60) Dibromochloromethane	10.90	129	757328	52.103	ug/l	99
61) 1,2-Dibromoethane	11.01	107	691415	52.687	ug/l	99
64) Tetrachloroethene	10.63	164	866810	47.952	ug/l	99
65) Chlorobenzene	11.43	112	2104136	51.255	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	772861	51.824	ug/l	99
67) Ethyl Benzene	11.51	91	3487145	51.243	ug/l	99
68) m/p-Xylenes	11.62	106	2728377	102.580	ug/l	100
69) o-Xylene	11.95	106	1351321	52.118	ug/l	97
70) Styrene	11.96	104	2133156	52.458	ug/l	100
71) Bromoform	12.13	173	501097	44.357	ug/l #	100
73) Isopropylbenzene	12.25	105	3541293	48.711	ug/l	100
74) N-amyl acetate	12.07	43	818111	50.698	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	792103	51.140	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	663076m	49.622	ug/l	
77) Bromobenzene	12.53	156	930977	48.394	ug/l	100
78) n-propylbenzene	12.59	91	3890532	49.320	ug/l	100
79) 2-Chlorotoluene	12.68	91	2323291	48.983	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2929847	48.451	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	167897	42.952	ug/l	91
82) 4-Chlorotoluene	12.77	91	2339851	49.405	ug/l	100
83) tert-Butylbenzene	12.99	119	2651959	47.646	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2913862	49.117	ug/l	99
85) sec-Butylbenzene	13.17	105	3448186	47.770	ug/l	100
86) p-Isopropyltoluene	13.29	119	3061586	48.346	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1619215	49.952	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1569326	49.282	ug/l	99
89) n-Butylbenzene	13.62	91	2448506	50.888	ug/l	99
90) Hexachloroethane	13.88	117	470930	44.911	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1586397	50.061	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	113185	47.223	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	873620	45.882	ug/l	99
94) Hexachlorobutadiene	15.01	225	551919	45.725	ug/l	100
95) Naphthalene	15.13	128	1815645	45.865	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	858662	50.998	ug/l	99

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

