

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012219\
 Data File : VN053524.D
 Acq On : 22 Jan 2019 17:22
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/23/2019 11:00:58 AM

Quant Time: Jan 23 04:04:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	732503	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1092065	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	985764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	499739	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	375968	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
35) Dibromofluoromethane	7.59	113	337804	54.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.40%	
50) Toluene-d8	10.09	98	1340866	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
62) 4-Bromofluorobenzene	12.40	95	470721	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	279689	47.491	ug/l	98
3) Chloromethane	2.06	50	383535	45.549	ug/l	99
4) Vinyl Chloride	2.19	62	385446	47.488	ug/l	100
5) Bromomethane	2.57	94	267397	48.013	ug/l	98
6) Chloroethane	2.71	64	237624	48.422	ug/l	99
7) Trichlorofluoromethane	3.02	101	540499	50.910	ug/l	99
8) Diethyl Ether	3.41	74	214128	53.700	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	341215	50.748	ug/l	98
10) Methyl Iodide	3.96	142	511194	49.752	ug/l	99
11) Tert butyl alcohol	4.77	59	128221	361.929	ug/l #	87
12) 1,1-Dichloroethene	3.74	96	328642	50.393	ug/l	100
13) Acrolein	3.61	56	222251	314.995	ug/l	97
14) Allyl chloride	4.33	41	518247	48.923	ug/l	95
15) Acrylonitrile	4.99	53	672295	288.353	ug/l	99
16) Acetone	3.81	43	485790	285.985	ug/l	99
17) Carbon Disulfide	4.06	76	905699	45.924	ug/l	99
18) Methyl Acetate	4.32	43	331062	57.847	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	962381	55.539	ug/l	99
20) Methylene Chloride	4.55	84	381352	49.173	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	354636	50.864	ug/l	98
22) Diisopropyl ether	5.95	45	1175530	53.157	ug/l	99
23) Vinyl Acetate	5.90	43	3838739	282.387	ug/l	99
24) 1,1-Dichloroethane	5.85	63	680804	52.077	ug/l	100
25) 2-Butanone	6.83	43	763904	291.829	ug/l	99
26) 2,2-Dichloropropane	6.82	77	503897	51.051	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	417014	52.304	ug/l	100
28) Bromochloromethane	7.19	49	291263	50.573	ug/l	99
29) Tetrahydrofuran	7.21	42	505335	296.542	ug/l	99
30) Chloroform	7.37	83	668401	52.476	ug/l	98
31) Cyclohexane	7.65	56	606976	47.699	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	560138	51.841	ug/l	99
36) 1,1-Dichloropropene	7.79	75	506267	50.904	ug/l	99
37) Ethyl Acetate	6.93	43	329292	57.549	ug/l	99
38) Carbon Tetrachloride	7.77	117	493982	52.463	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	619980	50.435	ug/l	99
40) Benzene	8.04	78	1562278	51.692	ug/l	100
41) Methacrylonitrile	7.18	41	182119m	53.516	ug/l	
42) 1,2-Dichloroethane	8.12	62	471696	53.573	ug/l	100
43) Isopropyl Acetate	8.16	43	593348	57.669	ug/l	100
44) Trichloroethene	8.83	130	434640	51.859	ug/l	100
45) 1,2-Dichloropropane	9.12	63	415399	51.892	ug/l	100
46) Dibromomethane	9.21	93	247906	53.902	ug/l	99
47) Bromodichloromethane	9.40	83	516883	53.441	ug/l	98
48) Methyl methacrylate	9.20	41	299233	56.328	ug/l	98
49) 1,4-Dioxane	9.20	88	79731	1536.786	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1687609	300.469	ug/l	100
52) Toluene	10.16	92	973721	51.896	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	531931	54.258	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	624990	54.383	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	356382	55.093	ug/l	99
56) Ethyl methacrylate	10.43	69	473364	51.499	ug/l	100
57) 1,3-Dichloropropane	10.71	76	616130	55.059	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1197675	264.651	ug/l	99
59) 2-Hexanone	10.75	43	1168069	296.255	ug/l	100
60) Dibromochloromethane	10.90	129	404233	55.095	ug/l	99
61) 1,2-Dibromoethane	11.00	107	357538	54.651	ug/l	99
64) Tetrachloroethene	10.63	164	486215	52.339	ug/l	100
65) Chlorobenzene	11.43	112	1087592	52.124	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	395011	54.419	ug/l	99
67) Ethyl Benzene	11.51	91	1870416	52.600	ug/l	100
68) m/p-Xylenes	11.62	106	1432651	106.709	ug/l	100
69) o-Xylene	11.95	106	696696	53.404	ug/l	99
70) Styrene	11.96	104	1164838	55.016	ug/l	100
71) Bromoform	12.13	173	289019	57.836	ug/l #	99
73) Isopropylbenzene	12.25	105	1860765	50.846	ug/l	100
74) N-amyl acetate	12.07	43	539415	55.292	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	407165	53.049	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	426910m	64.825	ug/l	
77) Bromobenzene	12.53	156	487101	50.512	ug/l	99
78) n-propylbenzene	12.59	91	2154463	51.287	ug/l	100
79) 2-Chlorotoluene	12.67	91	1249173	50.168	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1547886	51.985	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	129995	49.958	ug/l	97
82) 4-Chlorotoluene	12.77	91	1277048	50.292	ug/l	100
83) tert-Butylbenzene	12.99	119	1375775	52.314	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1579590	52.613	ug/l	100
85) sec-Butylbenzene	13.17	105	1872586	51.920	ug/l	100
86) p-Isopropyltoluene	13.29	119	1651363	52.731	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	871659	51.387	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	869594	51.107	ug/l	99
89) n-Butylbenzene	13.61	91	1391986	52.145	ug/l	99
90) Hexachloroethane	13.87	117	260879	53.116	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	846922	54.270	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	65893	67.708	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	406455	58.530	ug/l	99
94) Hexachlorobutadiene	15.01	225	279626	57.440	ug/l	100
95) Naphthalene	15.13	128	737262	60.159	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	305571	59.817	ug/l	99

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

