

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011619\
 Data File : VN053432.D
 Acq On : 16 Jan 2019 18:22
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/17/2019 9:41:27 AM

Quant Time: Jan 17 04:42:35 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	790762	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1201379	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1109530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	564623	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	412347	52.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.52%	
35) Dibromofluoromethane	7.59	113	358660	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	
50) Toluene-d8	10.09	98	1487952	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
62) 4-Bromofluorobenzene	12.40	95	537581	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	314661	49.493	ug/l	100
3) Chloromethane	2.06	50	448524	49.343	ug/l	99
4) Vinyl Chloride	2.19	62	430725	49.157	ug/l	99
5) Bromomethane	2.57	94	290723	48.355	ug/l	97
6) Chloroethane	2.71	64	258986	48.887	ug/l	99
7) Trichlorofluoromethane	3.02	101	571062	49.826	ug/l	99
8) Diethyl Ether	3.41	74	227938	52.952	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	358268	49.358	ug/l	99
10) Methyl Iodide	3.96	142	561176	50.592	ug/l	99
11) Tert butyl alcohol	4.78	59	134850	352.597	ug/l	100
12) 1,1-Dichloroethene	3.74	96	355232	50.457	ug/l	99
13) Acrolein	3.61	56	189073	253.049	ug/l	99
14) Allyl chloride	4.33	41	550542	48.142	ug/l	96
15) Acrylonitrile	4.99	53	736475	292.608	ug/l	100
16) Acetone	3.82	43	483517	263.676	ug/l	97
17) Carbon Disulfide	4.06	76	1030621	48.408	ug/l	100
18) Methyl Acetate	4.32	43	349727	56.606	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1029616	55.041	ug/l	99
20) Methylene Chloride	4.55	84	416639	49.765	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	381303	50.659	ug/l	99
22) Diisopropyl ether	5.95	45	1262170	52.870	ug/l	100
23) Vinyl Acetate	5.90	43	4131073	281.503	ug/l	100
24) 1,1-Dichloroethane	5.85	63	723180	51.243	ug/l	100
25) 2-Butanone	6.83	43	825912	292.272	ug/l	99
26) 2,2-Dichloropropane	6.83	77	511584	48.011	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	444870	51.687	ug/l	99
28) Bromochloromethane	7.20	49	328168	52.783	ug/l	100
29) Tetrahydrofuran	7.21	42	552200	300.169	ug/l	99
30) Chloroform	7.37	83	714479	51.961	ug/l	100
31) Cyclohexane	7.66	56	661888	48.184	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	599561	51.402	ug/l	100
36) 1,1-Dichloropropene	7.80	75	550015	50.270	ug/l	100
37) Ethyl Acetate	6.93	43	362294	57.555	ug/l	99
38) Carbon Tetrachloride	7.78	117	517008	49.912	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	666373	49.277	ug/l	99
40) Benzene	8.04	78	1673665	50.339	ug/l	99
41) Methacrylonitrile	7.18	41	207754	55.470	ug/l	95
42) 1,2-Dichloroethane	8.13	62	497259	51.337	ug/l	99
43) Isopropyl Acetate	8.16	43	665533	58.800	ug/l	99
44) Trichloroethene	8.84	130	465493	50.486	ug/l	98
45) 1,2-Dichloropropane	9.12	63	447522	50.818	ug/l	100
46) Dibromomethane	9.21	93	264450	52.267	ug/l	99
47) Bromodichloromethane	9.40	83	545778	51.294	ug/l	98
48) Methyl methacrylate	9.20	41	329445	56.372	ug/l	99
49) 1,4-Dioxane	9.20	88	78586	1376.891	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1871205	302.843	ug/l	100
52) Toluene	10.16	92	1057670	51.241	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	571104	52.954	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	655877	51.878	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	384937	54.092	ug/l	99
56) Ethyl methacrylate	10.43	69	529317	52.312	ug/l	100
57) 1,3-Dichloropropane	10.71	76	658095	53.458	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1378912	276.975	ug/l	100
59) 2-Hexanone	10.75	43	1302168	300.215	ug/l	100
60) Dibromochloromethane	10.90	129	433539	53.713	ug/l	99
61) 1,2-Dibromoethane	11.01	107	389309	54.092	ug/l	99
64) Tetrachloroethene	10.63	164	516579	49.405	ug/l	99
65) Chlorobenzene	11.43	112	1191296	50.726	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	419141	51.302	ug/l	99
67) Ethyl Benzene	11.51	91	2048292	51.176	ug/l	100
68) m/p-Xylenes	11.62	106	1568031	103.765	ug/l	100
69) o-Xylene	11.95	106	762187	51.907	ug/l	100
70) Styrene	11.97	104	1274467	53.479	ug/l	100
71) Bromoform	12.13	173	314078	55.840	ug/l #	100
73) Isopropylbenzene	12.25	105	2044567	49.448	ug/l	99
74) N-amyl acetate	12.07	43	617852	56.054	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	457134	52.715	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	412795m	55.478	ug/l	
77) Bromobenzene	12.53	156	540611	49.619	ug/l	99
78) n-propylbenzene	12.59	91	2356732	49.655	ug/l	100
79) 2-Chlorotoluene	12.68	91	1374822	48.869	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1691758	50.288	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	145968	49.665	ug/l	99
82) 4-Chlorotoluene	12.77	91	1424327	49.646	ug/l	99
83) tert-Butylbenzene	12.99	119	1477193	49.715	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1728518	50.957	ug/l	99
85) sec-Butylbenzene	13.17	105	2033832	49.910	ug/l	100
86) p-Isopropyltoluene	13.29	119	1786961	50.504	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	951350	49.640	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	952494	49.546	ug/l	99
89) n-Butylbenzene	13.62	91	1508230	50.007	ug/l	99
90) Hexachloroethane	13.88	117	281397	50.710	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	920943	52.232	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	71574	65.094	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	427835	54.718	ug/l	100
94) Hexachlorobutadiene	15.01	225	292334	53.150	ug/l	100
95) Naphthalene	15.13	128	784112	56.860	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	321005	55.892	ug/l	99

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

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