

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032019\
 Data File : VN054479.D
 Acq On : 20 Mar 2019 22:54
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 3:48:45 PM

Quant Time: Mar 22 05:42:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	561226	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	903462	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	782985	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	356325	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	351250	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
35) Dibromofluoromethane	7.59	113	286768	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
50) Toluene-d8	10.09	98	1073658	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
62) 4-Bromofluorobenzene	12.40	95	372084	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	275097	51.275	ug/l	100
3) Chloromethane	2.06	50	364687	49.959	ug/l	99
4) Vinyl Chloride	2.19	62	362147	49.413	ug/l	99
5) Bromomethane	2.57	94	211878	44.709	ug/l	100
6) Chloroethane	2.71	64	208033	47.324	ug/l	98
7) Trichlorofluoromethane	3.02	101	436644	49.059	ug/l	100
8) Diethyl Ether	3.41	74	164542	48.069	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	3.75	101	244579	46.757	ug/l	96
10) Methyl Iodide	3.94	142	374147	48.625	ug/l	95
11) Tert butyl alcohol	4.82	59	99857	236.275	ug/l	100
12) 1,1-Dichloroethene	3.73	96	250979	46.364	ug/l #	82
13) Acrolein	3.61	56	137003	234.902	ug/l	98
14) Allyl chloride	4.32	41	511534	50.183	ug/l #	92
15) Acrylonitrile	5.00	53	547867	260.311	ug/l	100
16) Acetone	3.82	43	398723	189.980	ug/l #	87
17) Carbon Disulfide	4.04	76	683331	47.113	ug/l	99
18) Methyl Acetate	4.33	43	235753	50.397	ug/l	91
19) Methyl tert-butyl Ether	5.05	73	805439	50.983	ug/l	97
20) Methylene Chloride	4.55	84	300503	48.572	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	286425	51.818	ug/l	87
22) Diisopropyl ether	5.96	45	1058567	52.648	ug/l #	92
23) Vinyl Acetate	5.90	43	3808166	268.171	ug/l #	94
24) 1,1-Dichloroethane	5.85	63	564369	52.131	ug/l	99
25) 2-Butanone	6.85	43	671830	249.889	ug/l #	89
26) 2,2-Dichloropropane	6.82	77	349331	45.266	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	332166	50.381	ug/l	91
28) Bromochloromethane	7.20	49	268176	50.326	ug/l #	77
29) Tetrahydrofuran	7.22	42	458112	262.578	ug/l #	85
30) Chloroform	7.37	83	540301	51.140	ug/l	100
31) Cyclohexane	7.65	56	545611	52.697	ug/l	89
32) 1,1,1-Trichloroethane	7.57	97	454243	52.114	ug/l	96
36) 1,1-Dichloropropene	7.79	75	425663	50.390	ug/l	96
37) Ethyl Acetate	6.94	43	312358	51.989	ug/l	95
38) Carbon Tetrachloride	7.77	117	390763	47.602	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	493573	51.079	ug/l	89
40) Benzene	8.04	78	1214892	50.294	ug/l	100
41) Methacrylonitrile	7.18	41	187756	51.242	ug/l #	86
42) 1,2-Dichloroethane	8.13	62	425800	48.403	ug/l	98
43) Isopropyl Acetate	8.17	43	534200	52.647	ug/l #	94
44) Trichloroethene	8.83	130	332511	49.512	ug/l	96
45) 1,2-Dichloropropane	9.12	63	335902	51.786	ug/l	99
46) Dibromomethane	9.21	93	195405	50.497	ug/l	92
47) Bromodichloromethane	9.40	83	401361	49.978	ug/l	97
48) Methyl methacrylate	9.20	41	281858	51.179	ug/l	86
49) 1,4-Dioxane	9.20	88	58332	947.428	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	1460407	259.701	ug/l	95
52) Toluene	10.16	92	740124	49.816	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	388962	46.096	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	478252	51.938	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	268982	50.366	ug/l	96
56) Ethyl methacrylate	10.43	69	378265	52.771	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	475128	51.179	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	726820	246.241	ug/l	91
59) 2-Hexanone	10.75	43	918314	250.007	ug/l	93
60) Dibromochloromethane	10.90	129	295075	51.924	ug/l	98
61) 1,2-Dibromoethane	11.01	107	267536	50.672	ug/l	99
64) Tetrachloroethene	10.63	164	322609	49.674	ug/l	96
65) Chlorobenzene	11.43	112	792470	49.763	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	296413	51.857	ug/l	99
67) Ethyl Benzene	11.51	91	1422147	50.555	ug/l	99
68) m/p-Xylenes	11.62	106	1073248	100.726	ug/l	98
69) o-Xylene	11.95	106	518636	49.841	ug/l	97
70) Styrene	11.96	104	867801	51.354	ug/l	98
71) Bromoform	12.13	173	175784	44.846	ug/l #	100
73) Isopropylbenzene	12.25	105	1387489	48.322	ug/l	98
74) N-amyl acetate	12.07	43	436909	52.919	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	324018	49.434	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	279832m	49.490	ug/l	
77) Bromobenzene	12.53	156	344179	48.331	ug/l	89
78) n-propylbenzene	12.59	91	1543456	49.572	ug/l	97
79) 2-Chlorotoluene	12.67	91	918298	47.296	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	1160715	49.323	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	67982	41.990	ug/l #	82
82) 4-Chlorotoluene	12.77	91	926404	49.224	ug/l	96
83) tert-Butylbenzene	12.99	119	1015012	49.551	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1146812	49.665	ug/l	98
85) sec-Butylbenzene	13.17	105	1279988	50.126	ug/l	98
86) p-Isopropyltoluene	13.29	119	1177146	51.526	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	575462	48.763	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	566098	49.303	ug/l	99
89) n-Butylbenzene	13.62	91	958382	53.650	ug/l	99
90) Hexachloroethane	13.87	117	175330	49.442	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	563630	49.309	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	48268	50.206	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	309544	54.323	ug/l	99
94) Hexachlorobutadiene	15.01	225	183009	57.537	ug/l	99
95) Naphthalene	15.13	128	681001	53.580	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	307372	54.198	ug/l	99

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

