

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061919\
 Data File : VN056378.D
 Acq On : 19 Jun 2019 11:12
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN061919

Manual Integrations
 APPROVED

MMDadoda
 6/21/2019 10:52:15 PM

Quant Time: Jun 21 03:53:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	390060	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	593123	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	527192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	223864	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	207008	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	
35) Dibromofluoromethane	7.59	113	181805	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
50) Toluene-d8	10.09	98	697520	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
62) 4-Bromofluorobenzene	12.40	95	241196	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	159661	48.341	ug/l	99
3) Chloromethane	2.06	50	207895	46.228	ug/l	100
4) Vinyl Chloride	2.18	62	203364	46.820	ug/l	100
5) Bromomethane	2.53	94	135790m	53.326	ug/l	
6) Chloroethane	2.68	64	117077	46.544	ug/l	99
7) Trichlorofluoromethane	3.00	101	259763	46.232	ug/l	100
8) Diethyl Ether	3.41	74	109587	46.085	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	166698	46.524	ug/l	100
10) Methyl Iodide	3.95	142	216417	44.689	ug/l	99
11) Tert butyl alcohol	4.80	59	179319	246.278	ug/l	100
12) 1,1-Dichloroethene	3.73	96	163401	47.421	ug/l	99
13) Acrolein	3.61	56	139520	227.354	ug/l	99
14) Allyl chloride	4.32	41	279213	48.678	ug/l	99
15) Acrylonitrile	4.99	53	477841	237.221	ug/l	99
16) Acetone	3.82	43	493025	227.628	ug/l	99
17) Carbon Disulfide	4.05	76	395399	50.451	ug/l	99
18) Methyl Acetate	4.32	43	197026	46.382	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	537626	47.153	ug/l	98
20) Methylene Chloride	4.55	84	191388	46.817	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	177169	47.690	ug/l	96
22) Diisopropyl ether	5.95	45	563044	46.741	ug/l	95
23) Vinyl Acetate	5.90	43	2402978	252.914	ug/l	99
24) 1,1-Dichloroethane	5.85	63	326660	47.240	ug/l	99
25) 2-Butanone	6.84	43	674084	235.150	ug/l	97
26) 2,2-Dichloropropane	6.82	77	234640	48.789	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	210644	48.464	ug/l	99
28) Bromochloromethane	7.19	49	163729	47.870	ug/l	99
29) Tetrahydrofuran	7.21	42	417461	238.305	ug/l	99
30) Chloroform	7.37	83	316790	46.428	ug/l	97
31) Cyclohexane	7.65	56	303919	45.526	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	259084	47.903	ug/l	100
36) 1,1-Dichloropropene	7.79	75	244559	46.845	ug/l	99
37) Ethyl Acetate	6.93	43	250171	48.762	ug/l	98
38) Carbon Tetrachloride	7.77	117	221311	48.477	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	307721	47.770	ug/l	98
40) Benzene	8.04	78	751105	46.773	ug/l	99
41) Methacrylonitrile	7.17	41	111611	49.266	ug/l #	87
42) 1,2-Dichloroethane	8.12	62	243387	45.926	ug/l	99
43) Isopropyl Acetate	8.17	43	391669	49.509	ug/l #	92
44) Trichloroethene	8.83	130	204301	47.229	ug/l	99
45) 1,2-Dichloropropane	9.12	63	201817	46.993	ug/l	98
46) Dibromomethane	9.21	93	129167	48.073	ug/l	99
47) Bromodichloromethane	9.40	83	236614	49.653	ug/l	99
48) Methyl methacrylate	9.20	41	187717	47.351	ug/l	100
49) 1,4-Dioxane	9.20	88	75470	917.353	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1253774	245.547	ug/l	99
52) Toluene	10.16	92	460576	46.913	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	255233	46.218	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	295118	51.427	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	188414	47.744	ug/l	98
56) Ethyl methacrylate	10.43	69	289854	50.259	ug/l	99
57) 1,3-Dichloropropane	10.71	76	314712	47.471	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	456547	220.352	ug/l	100
59) 2-Hexanone	10.75	43	907102	241.715	ug/l	99
60) Dibromochloromethane	10.90	129	187086	46.307	ug/l	99
61) 1,2-Dibromoethane	11.00	107	196534	48.761	ug/l	99
64) Tetrachloroethene	10.63	164	190728	45.684	ug/l	99
65) Chlorobenzene	11.43	112	498469	47.056	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	177170	49.485	ug/l	99
67) Ethyl Benzene	11.51	91	883050	47.476	ug/l	100
68) m/p-Xylenes	11.62	106	661145	96.991	ug/l	99
69) o-Xylene	11.95	106	324444	48.110	ug/l	99
70) Styrene	11.96	104	545644	50.619	ug/l	99
71) Bromoform	12.13	173	130389	45.449	ug/l #	100
73) Isopropylbenzene	12.25	105	860698	51.256	ug/l	100
74) N-amyl acetate	12.07	43	328195	46.065	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	267214	51.421	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	215150m	46.350	ug/l	
77) Bromobenzene	12.53	156	225703	45.090	ug/l	100
78) n-propylbenzene	12.59	91	942818	45.990	ug/l	100
79) 2-Chlorotoluene	12.67	91	569698	50.715	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	712195	50.577	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	66050	50.573	ug/l	94
82) 4-Chlorotoluene	12.77	91	557804	46.083	ug/l	100
83) tert-Butylbenzene	12.99	119	625745	51.028	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	698733	46.364	ug/l	100
85) sec-Butylbenzene	13.17	105	822495	45.647	ug/l	100
86) p-Isopropyltoluene	13.29	119	728627	47.118	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	363677	47.942	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	349849	47.620	ug/l	100
89) n-Butylbenzene	13.61	91	570441	48.729	ug/l	100
90) Hexachloroethane	13.87	117	114162	47.353	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	361029	47.970	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	41521	50.126	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	170807	44.301	ug/l	97
94) Hexachlorobutadiene	15.01	225	130561	51.236	ug/l	98
95) Naphthalene	15.13	128	489963	48.060	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	194756	48.140	ug/l	98

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

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