

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061919\
 Data File : VN056377.D
 Acq On : 19 Jun 2019 10:49
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 6/21/2019 10:52:12 PM

Quant Time: Jun 20 04:32:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 04:07:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	357905	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	552357	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	501978	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	232694	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	577304	143.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	287.10%	
35) Dibromofluoromethane	7.59	113	511155	145.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	290.84%	
50) Toluene-d8	10.09	98	1982359	147.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	294.40%	
62) 4-Bromofluorobenzene	12.40	95	699497	156.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	313.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	464094	149.543	ug/l	98
3) Chloromethane	2.06	50	596358	142.918	ug/l	100
4) Vinyl Chloride	2.18	62	596651	145.702	ug/l	99
5) Bromomethane	2.51	94	282679	119.354	ug/l	99
6) Chloroethane	2.66	64	339412m	144.898	ug/l	
7) Trichlorofluoromethane	2.99	101	750512	142.887	ug/l	100
8) Diethyl Ether	3.40	74	323338	153.681	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	481617	141.581	ug/l	100
10) Methyl Iodide	3.94	142	700405	159.430	ug/l	100
11) Tert butyl alcohol	4.80	59	506183	796.952	ug/l	99
12) 1,1-Dichloroethene	3.73	96	480230	145.889	ug/l	97
13) Acrolein	3.60	56	441442	1796.675	ug/l	99
14) Allyl chloride	4.31	41	839499	152.389	ug/l	98
15) Acrylonitrile	4.99	53	1413705	783.764	ug/l	100
16) Acetone	3.82	43	1408576	648.612	ug/l	100
17) Carbon Disulfide	4.04	76	1225006	142.628	ug/l	99
18) Methyl Acetate	4.32	43	581679	122.313	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	1566634	154.986	ug/l	99
20) Methylene Chloride	4.54	84	553839	141.755	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	512351	146.502	ug/l	99
22) Diisopropyl ether	5.95	45	1659553	152.075	ug/l	93
23) Vinyl Acetate	5.89	43	7121792	803.758	ug/l	100
24) 1,1-Dichloroethane	5.84	63	949639	148.905	ug/l	99
25) 2-Butanone	6.84	43	2012981	754.162	ug/l	98
26) 2,2-Dichloropropane	6.82	77	687070	149.395	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	606309	149.187	ug/l	100
28) Bromochloromethane	7.19	49	438542	137.373	ug/l	99
29) Tetrahydrofuran	7.21	42	1239188	776.675	ug/l	100
30) Chloroform	7.37	83	929383	146.537	ug/l	100
31) Cyclohexane	7.65	56	886995	144.293	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	776462	148.257	ug/l	100
36) 1,1-Dichloropropene	7.79	75	720492	146.279	ug/l	99
37) Ethyl Acetate	6.93	43	743351	158.493	ug/l	98
38) Carbon Tetrachloride	7.77	117	664192	142.284	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	916147	152.791	ug/l	100
40) Benzene	8.04	78	2191529	146.788	ug/l	98
41) Methacrylonitrile	7.18	41	320028	152.363	ug/l	97
42) 1,2-Dichloroethane	8.12	62	709939	145.153	ug/l	100
43) Isopropyl Acetate	8.16	43	1212079	161.825	ug/l	100
44) Trichloroethene	8.83	130	598621	147.148	ug/l	99
45) 1,2-Dichloropropane	9.12	63	594879	150.487	ug/l	100
46) Dibromomethane	9.21	93	378899	144.915	ug/l	99
47) Bromodichloromethane	9.40	83	727077	146.801	ug/l	99
48) Methyl methacrylate	9.20	41	592445	157.900	ug/l	98
49) 1,4-Dioxane	9.20	88	232707	3082.885	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	3617380	759.063	ug/l	99
52) Toluene	10.16	92	1376285	151.367	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	820649	165.985	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	913831	159.556	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	556840	148.385	ug/l	99
56) Ethyl methacrylate	10.43	69	884775	164.232	ug/l	98
57) 1,3-Dichloropropane	10.71	76	938407	148.617	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1687721	947.807	ug/l	100
59) 2-Hexanone	10.75	43	2650002	751.007	ug/l	99
60) Dibromochloromethane	10.90	129	590988	152.751	ug/l	99
61) 1,2-Dibromoethane	11.00	107	590565	153.371	ug/l	99
64) Tetrachloroethene	10.63	164	556767	136.717	ug/l	100
65) Chlorobenzene	11.43	112	1507637	148.700	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	556522	147.974	ug/l	100
67) Ethyl Benzene	11.51	91	2653045	152.144	ug/l	100
68) m/p-Xylenes	11.62	106	1990788	307.304	ug/l	99
69) o-Xylene	11.95	106	966749	151.411	ug/l	100
70) Styrene	11.96	104	1661855	161.306	ug/l	99
71) Bromoform	12.13	173	436355	152.350	ug/l #	99
73) Isopropylbenzene	12.25	105	2540037	127.886	ug/l	100
74) N-amyl acetate	12.07	43	988721	135.395	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	774643	119.395	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	629404m	127.662	ug/l	
77) Bromobenzene	12.53	156	672421	128.529	ug/l	98
78) n-propylbenzene	12.59	91	2872415	138.303	ug/l	100
79) 2-Chlorotoluene	12.67	91	1697088	128.229	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2136810	132.236	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	231487	149.578	ug/l	89
82) 4-Chlorotoluene	12.77	91	1707948	139.873	ug/l	99
83) tert-Butylbenzene	12.99	119	1847019	127.333	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2124267	141.035	ug/l	100
85) sec-Butylbenzene	13.17	105	2435620	133.483	ug/l	100
86) p-Isopropyltoluene	13.29	119	2232904	143.045	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1136129	144.048	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1117808	147.753	ug/l	99
89) n-Butylbenzene	13.61	91	1887519	161.495	ug/l	99
90) Hexachloroethane	13.87	117	365813	122.385	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1108788	143.254	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	145408	146.755	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	689795	211.670	ug/l	98
94) Hexachlorobutadiene	15.01	225	388516	125.614	ug/l	100
95) Naphthalene	15.13	128	1795078	204.412	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	698512	199.003	ug/l	99

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

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