

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
 Data File : VN055744.D
 Acq On : 23 May 2019 9:45
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 9:20:54 AM

Quant Time: May 24 06:01:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 05:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	345962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	505035	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	430313	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	153963	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	17368	4.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.24%	
35) Dibromofluoromethane	7.59	113	15168	4.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.48%	
50) Toluene-d8	10.09	98	58693	4.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.66%	
62) 4-Bromofluorobenzene	12.40	95	17795	4.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	12403	4.747	ug/l	99
3) Chloromethane	2.06	50	17214	4.885	ug/l	96
4) Vinyl Chloride	2.19	62	17980	4.730	ug/l	100
5) Bromomethane	2.54	94	13296m	5.463	ug/l	
6) Chloroethane	2.69	64	11177	5.235	ug/l	97
7) Trichlorofluoromethane	3.01	101	24191	4.964	ug/l	99
8) Diethyl Ether	3.40	74	10426	5.258	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.74	101	14694	4.934	ug/l	98
10) Methyl Iodide	3.94	142	19619	4.539	ug/l	100
11) Tert butyl alcohol	4.81	59	14980	21.208	ug/l #	91
12) 1,1-Dichloroethene	3.72	96	15088	4.814	ug/l	96
13) Acrolein	3.60	56	14621	35.987	ug/l	97
14) Allyl chloride	4.32	41	25111	4.956	ug/l	95
15) Acrylonitrile	4.99	53	38041	24.244	ug/l	99
16) Acetone	3.82	43	38409	24.761	ug/l	99
17) Carbon Disulfide	4.04	76	42268	4.854	ug/l	98
18) Methyl Acetate	4.33	43	19244	5.803	ug/l	96
19) Methyl tert-butyl Ether	5.04	73	48972	4.735	ug/l	96
20) Methylene Chloride	4.55	84	17206	4.903	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	15728	4.717	ug/l	98
22) Diisopropyl ether	5.95	45	50322	4.995	ug/l	91
23) Vinyl Acetate	5.90	43	208015	24.339	ug/l	99
24) 1,1-Dichloroethane	5.84	63	29517	5.030	ug/l	97
25) 2-Butanone	6.84	43	53867	24.919	ug/l	96
26) 2,2-Dichloropropane	6.82	77	25569	4.920	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	18900	4.851	ug/l	100
28) Bromochloromethane	7.19	49	12824	4.949	ug/l #	97
29) Tetrahydrofuran	7.22	42	35111	24.567	ug/l	100
30) Chloroform	7.37	83	29314	4.850	ug/l	99
31) Cyclohexane	7.65	56	31926	5.703	ug/l #	76
32) 1,1,1-Trichloroethane	7.57	97	25849	4.777	ug/l	99
36) 1,1-Dichloropropene	7.79	75	21769	4.860	ug/l	99
37) Ethyl Acetate	6.93	43	20795	5.123	ug/l	99
38) Carbon Tetrachloride	7.77	117	22554	4.703	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	26877	4.947	ug/l	99
40) Benzene	8.04	78	65252	4.923	ug/l	97
41) Methacrylonitrile	7.18	41	9298	5.276	ug/l	93
42) 1,2-Dichloroethane	8.12	62	21925	5.118	ug/l	100
43) Isopropyl Acetate	8.17	43	34931	4.939	ug/l #	92
44) Trichloroethene	8.83	130	18737	5.014	ug/l	96
45) 1,2-Dichloropropane	9.12	63	17607	5.048	ug/l	96
46) Dibromomethane	9.21	93	11400	4.986	ug/l	99
47) Bromodichloromethane	9.40	83	23089	4.838	ug/l	97
48) Methyl methacrylate	9.20	41	16625	5.247	ug/l	98
49) 1,4-Dioxane	9.21	88	6605	105.186	ug/l #	94
51) 4-Methyl-2-Pentanone	9.99	43	103330	24.727	ug/l	100
52) Toluene	10.16	92	41269	4.952	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	23378	4.560	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	26463	4.710	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	16400	4.785	ug/l	94
56) Ethyl methacrylate	10.43	69	24571	4.590	ug/l	94
57) 1,3-Dichloropropane	10.71	76	26696	4.926	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	43528	19.584	ug/l	99
59) 2-Hexanone	10.75	43	71800	24.448	ug/l	98
60) Dibromochloromethane	10.90	129	18020	4.638	ug/l	99
61) 1,2-Dibromoethane	11.00	107	16223	4.727	ug/l	95
64) Tetrachloroethene	10.63	164	18749	5.482	ug/l	97
65) Chlorobenzene	11.43	112	42514	4.893	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	16892	4.838	ug/l	96
67) Ethyl Benzene	11.51	91	76846	4.952	ug/l	99
68) m/p-Xylenes	11.62	106	57694	9.844	ug/l	100
69) o-Xylene	11.95	106	29699	5.165	ug/l	98
70) Styrene	11.96	104	44242	4.640	ug/l	99
71) Bromoform	12.13	173	13960	4.706	ug/l #	98
73) Isopropylbenzene	12.25	105	74332	5.909	ug/l	100
74) N-amyl acetate	12.07	43	26975	6.229	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	22568	5.826	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	19013m	5.992	ug/l	
77) Bromobenzene	12.53	156	18670	5.865	ug/l	96
78) n-propylbenzene	12.59	91	73460	5.388	ug/l	98
79) 2-Chlorotoluene	12.67	91	47903	5.767	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	61401	5.811	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	6590	5.458	ug/l	94
82) 4-Chlorotoluene	12.77	91	42666	5.307	ug/l	99
83) tert-Butylbenzene	12.99	119	55408	5.977	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	59982	5.764	ug/l	100
85) sec-Butylbenzene	13.17	105	67822	5.761	ug/l	100
86) p-Isopropyltoluene	13.29	119	59878	5.534	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	26578	5.082	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	24414	4.908	ug/l	93
89) n-Butylbenzene	13.61	91	41399	4.925	ug/l	98
90) Hexachloroethane	13.87	117	11943	5.782	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	27898	5.352	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	3833	5.562	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	9650	3.691	ug/l	96
94) Hexachlorobutadiene	15.01	225	11209	6.044	ug/l	96
95) Naphthalene	15.13	128	28437	4.020	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	11668	4.231	ug/l	100

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

