

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051719\
 Data File : VN055599.D
 Acq On : 17 May 2019 9:53
 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
 5/20/2019 9:09:50 AM

Quant Time: May 17 23:32:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:16:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	320887	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	488718	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	401702	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	155367	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	17162	5.16	ug/l	0.00
Spiked Amount			Recovery	=	10.32%	
35) Dibromofluoromethane	7.59	113	14698	4.58	ug/l	0.00
Spiked Amount			Recovery	=	9.16%	
50) Toluene-d8	10.09	98	54758	4.76	ug/l	0.00
Spiked Amount			Recovery	=	9.52%	
62) 4-Bromofluorobenzene	12.40	95	17283	4.54	ug/l	0.00
Spiked Amount			Recovery	=	9.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	13046	4.819	ug/l	99
3) Chloromethane	2.06	50	17030	5.034	ug/l	98
4) Vinyl Chloride	2.18	62	18782	5.129	ug/l	97
5) Bromomethane	2.57	94	12439	4.691	ug/l	94
6) Chloroethane	2.71	64	10081	4.307	ug/l	98
7) Trichlorofluoromethane	3.03	101	23952	4.627	ug/l	98
8) Diethyl Ether	3.41	74	9361	5.000	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	14542	4.625	ug/l	97
10) Methyl Iodide	3.96	142	19273	4.212	ug/l	97
11) Tert butyl alcohol	4.77	59	16562	55.445	ug/l	98
12) 1,1-Dichloroethene	3.74	96	15507	5.233	ug/l	99
13) Acrolein	3.61	56	11309	67.357	ug/l	100
14) Allyl chloride	4.33	41	24302	5.347	ug/l	93
15) Acrylonitrile	4.99	53	36234	32.933	ug/l #	89
16) Acetone	3.82	43	36350	36.501	ug/l	96
17) Carbon Disulfide	4.06	76	42188	4.674	ug/l	99
18) Methyl Acetate	4.33	43	15521	6.732	ug/l	95
19) Methyl tert-butyl Ether	5.04	73	49095	6.266	ug/l	97
20) Methylene Chloride	4.56	84	16825	5.013	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	16255	5.229	ug/l	95
22) Diisopropyl ether	5.95	45	47404	5.607	ug/l	94
23) Vinyl Acetate	5.90	43	199042	31.586	ug/l	100
24) 1,1-Dichloroethane	5.85	63	28117	4.970	ug/l	96
25) 2-Butanone	6.83	43	49105	37.592	ug/l	98
26) 2,2-Dichloropropane	6.83	77	25436	5.808	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	18770	5.368	ug/l	99
28) Bromochloromethane	7.20	49	12220	4.946	ug/l	100
29) Tetrahydrofuran	7.21	42	31868	37.864	ug/l	96
30) Chloroform	7.37	83	29015	5.105	ug/l	98
31) Cyclohexane	7.66	56	31253	5.312	ug/l #	85
32) 1,1,1-Trichloroethane	7.57	97	25900	5.293	ug/l	98
36) 1,1-Dichloropropene	7.79	75	21362	4.782	ug/l	99
37) Ethyl Acetate	6.93	43	19009	6.961	ug/l	95
38) Carbon Tetrachloride	7.77	117	23613	4.922	ug/l	98

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Quant Time: May 17 23:32:23 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	27007	5.275	ug/l	99
40) Benzene	8.04	78	65266	4.973	ug/l	100
41) Methacrylonitrile	7.18	41	9803m	7.022	ug/l	
42) 1,2-Dichloroethane	8.13	62	21354	5.339	ug/l	96
43) Isopropyl Acetate	8.16	43	33417	6.467	ug/l	98
44) Trichloroethene	8.83	130	18191	4.945	ug/l	99
45) 1,2-Dichloropropane	9.12	63	17163	5.094	ug/l	97
46) Dibromomethane	9.21	93	11264	5.474	ug/l	98
47) Bromodichloromethane	9.40	83	23101	5.349	ug/l	98
48) Methyl methacrylate	9.20	41	15100	6.788	ug/l	98
49) 1,4-Dioxane	9.20	88	5583	154.837	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	99119	40.238	ug/l	100
52) Toluene	10.16	92	39337	5.071	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	24121	5.661	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	26763	5.446	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	16466	5.685	ug/l	98
56) Ethyl methacrylate	10.43	69	24089	6.955	ug/l	97
57) 1,3-Dichloropropane	10.71	76	25404	5.295	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	52129	34.178	ug/l	100
59) 2-Hexanone	10.75	43	65635	38.769	ug/l	100
60) Dibromochloromethane	10.90	129	18381	5.476	ug/l	98
61) 1,2-Dibromoethane	11.00	107	15876	5.503	ug/l	99
64) Tetrachloroethene	10.63	164	17083	4.834	ug/l	98
65) Chlorobenzene	11.43	112	40757	4.862	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	17019	5.513	ug/l	99
67) Ethyl Benzene	11.51	91	73494	5.376	ug/l	99
68) m/p-Xylenes	11.62	106	55830	10.616	ug/l	100
69) o-Xylene	11.95	106	27090	5.340	ug/l	98
70) Styrene	11.96	104	43100	5.363	ug/l	99
71) Bromoform	12.13	173	13463	5.905	ug/l #	99
73) Isopropylbenzene	12.25	105	73200	6.651	ug/l	100
74) N-amyl acetate	12.07	43	23730	8.445	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	21667	7.883	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	19210m	8.048	ug/l	
77) Bromobenzene	12.53	156	16980	5.772	ug/l	99
78) n-propylbenzene	12.59	91	76113	6.215	ug/l	100
79) 2-Chlorotoluene	12.67	91	46929	6.339	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	60386	6.616	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	6565	8.497	ug/l	99
82) 4-Chlorotoluene	12.77	91	43169	5.862	ug/l	99
83) tert-Butylbenzene	12.99	119	54862	6.724	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	59270	6.503	ug/l	99
85) sec-Butylbenzene	13.17	105	68251	6.248	ug/l	100
86) p-Isopropyltoluene	13.29	119	61029	6.393	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	26757	5.230	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	24907	4.842	ug/l	95
89) n-Butylbenzene	13.61	91	46495	5.940	ug/l	100
90) Hexachloroethane	13.87	117	11972	6.440	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	27687	5.505	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	3843	8.863	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	11449	4.356	ug/l	96
94) Hexachlorobutadiene	15.01	225	10693	5.119	ug/l	98
95) Naphthalene	15.13	128	27577	5.219	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	12568	4.904	ug/l	99

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

