

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050819\
 Data File : VN055479.D
 Acq On : 8 May 2019 16:59
 Operator : JC/SP
 Sample : VSTDIC010
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 5/9/2019 6:32:47 PM

Quant Time: May 09 03:58:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 03:36:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	760561	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1310854	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1107767	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	404113	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	113622	11.07	ug/l	0.00
Spiked Amount			Recovery	=	22.14%	
35) Dibromofluoromethane	7.59	113	84901	9.84	ug/l	0.00
Spiked Amount			Recovery	=	19.68%	
50) Toluene-d8	10.09	98	327303	10.33	ug/l	0.00
Spiked Amount			Recovery	=	20.66%	
62) 4-Bromofluorobenzene	12.40	95	105121	10.52	ug/l	0.00
Spiked Amount			Recovery	=	21.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	76464	8.576	ug/l	97
3) Chloromethane	2.06	50	127721	10.989	ug/l	96
4) Vinyl Chloride	2.19	62	119796	12.370	ug/l	98
5) Bromomethane	2.55	94	68524	13.208	ug/l	96
6) Chloroethane	2.69	64	69947	13.146	ug/l	96
7) Trichlorofluoromethane	3.01	101	131769	9.971	ug/l	97
8) Diethyl Ether	3.41	74	59783	12.439	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	82490	10.411	ug/l	99
10) Methyl Iodide	3.94	142	109028	9.804	ug/l	98
11) Tert butyl alcohol	4.82	59	83737	104.688	ug/l	98
12) 1,1-Dichloroethene	3.73	96	84150	11.010	ug/l	99
13) Acrolein	3.61	56	49283	85.903	ug/l	95
14) Allyl chloride	4.32	41	169400	10.703	ug/l	99
15) Acrylonitrile	5.00	53	268553	75.728	ug/l	99
16) Acetone	3.82	43	282758	81.542	ug/l	100
17) Carbon Disulfide	4.04	76	219998	10.979	ug/l	98
18) Methyl Acetate	4.33	43	119462	12.463	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	280972	12.699	ug/l	98
20) Methylene Chloride	4.54	84	105977	10.949	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	91130	11.223	ug/l	93
22) Diisopropyl ether	5.96	45	356553	11.276	ug/l	98
23) Vinyl Acetate	5.90	43	1339855	62.639	ug/l	99
24) 1,1-Dichloroethane	5.85	63	191767	11.383	ug/l	99
25) 2-Butanone	6.85	43	378812	83.155	ug/l	99
26) 2,2-Dichloropropane	6.82	77	117917	10.281	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	106698	11.494	ug/l	99
28) Bromochloromethane	7.20	49	91781	10.685	ug/l	100
29) Tetrahydrofuran	7.22	42	246808	84.568	ug/l	99
30) Chloroform	7.37	83	177482	11.154	ug/l	99
31) Cyclohexane	7.65	56	186910	11.568	ug/l	# 92
32) 1,1,1-Trichloroethane	7.57	97	133383	10.420	ug/l	99
36) 1,1-Dichloropropene	7.79	75	129933	10.188	ug/l	99
37) Ethyl Acetate	6.94	43	153014	14.554	ug/l	96
38) Carbon Tetrachloride	7.77	117	102822	8.597	ug/l	99

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39) Methylcyclohexane	9.08	83	155119	11.289	ug/l	97
40) Benzene	8.04	78	407755	10.819	ug/l	100
41) Methacrylonitrile	7.18	41	65483	12.055	ug/l	92
42) 1,2-Dichloroethane	8.13	62	142819	10.747	ug/l	99
43) Isopropyl Acetate	8.17	43	211988	12.759	ug/l	97
44) Trichloroethene	8.84	130	98402	10.368	ug/l	96
45) 1,2-Dichloropropane	9.12	63	115368	10.652	ug/l	97
46) Dibromomethane	9.21	93	68878	11.497	ug/l	98
47) Bromodichloromethane	9.40	83	127246	10.095	ug/l	93
48) Methyl methacrylate	9.20	41	104154	12.826	ug/l	98
49) 1,4-Dioxane	9.20	88	40740	403.891	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	706897	72.904	ug/l	99
52) Toluene	10.16	92	225817	10.432	ug/l	94
53) t-1,3-Dichloropropene	10.38	75	115473	10.380	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	143556	10.424	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	94357	11.596	ug/l	99
56) Ethyl methacrylate	10.43	69	136334	13.097	ug/l	99
57) 1,3-Dichloropropane	10.71	76	169561	11.833	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	174744	61.865	ug/l	99
59) 2-Hexanone	10.75	43	503304	80.522	ug/l	99
60) Dibromochloromethane	10.90	129	82791	10.177	ug/l	99
61) 1,2-Dibromoethane	11.01	107	89650	11.806	ug/l	99
64) Tetrachloroethene	10.63	164	93697	10.283	ug/l	98
65) Chlorobenzene	11.43	112	234903	10.706	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	79033	9.373	ug/l	95
67) Ethyl Benzene	11.51	91	429989	10.804	ug/l	100
68) m/p-Xylenes	11.62	106	312254	21.929	ug/l	99
69) o-Xylene	11.95	106	153507	10.874	ug/l	100
70) Styrene	11.96	104	247926	11.378	ug/l	99
71) Bromoform	12.13	173	52772	10.963	ug/l #	98
73) Isopropylbenzene	12.25	105	413015	10.179	ug/l	98
74) N-amyl acetate	12.07	43	153696	13.726	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	132237	12.313	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	121627m	12.602	ug/l	
77) Bromobenzene	12.53	156	92355	10.063	ug/l	97
78) n-propylbenzene	12.59	91	446348	10.626	ug/l	99
79) 2-Chlorotoluene	12.67	91	281018	10.461	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	330481	10.293	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	30031	12.981	ug/l	90
82) 4-Chlorotoluene	12.77	91	259869	10.602	ug/l	99
83) tert-Butylbenzene	12.99	119	286934	10.002	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	305417	10.639	ug/l	100
85) sec-Butylbenzene	13.17	105	379524	10.838	ug/l	100
86) p-Isopropyltoluene	13.29	119	306676	10.671	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	141097	10.322	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	133881	10.394	ug/l	96
89) n-Butylbenzene	13.61	91	224506	10.834	ug/l	99
90) Hexachloroethane	13.87	117	49652	9.292	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	137642	10.149	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18320	15.442	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	39938	9.229	ug/l	99
94) Hexachlorobutadiene	15.01	225	48943	9.837	ug/l	98
95) Naphthalene	15.13	128	117752	11.722	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	48494	10.691	ug/l	98

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

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