

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050819\
 Data File : VN055478.D
 Acq On : 8 May 2019 16:34
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/9/2019 6:32:41 PM

Quant Time: May 09 03:55:32 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	7.66	168	714779	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1237841	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1040536	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	353774	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	52398	5.43	ug/l	0.00
Spiked Amount			Recovery	=	10.86%	
35) Dibromofluoromethane	7.59	113	37582	4.61	ug/l	0.00
Spiked Amount			Recovery	=	9.22%	
50) Toluene-d8	10.09	98	141779	4.74	ug/l	0.00
Spiked Amount			Recovery	=	9.48%	
62) 4-Bromofluorobenzene	12.40	95	47068	4.99	ug/l	0.00
Spiked Amount			Recovery	=	9.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	38269	4.567	ug/l	97
3) Chloromethane	2.06	50	61138	5.597	ug/l	100
4) Vinyl Chloride	2.19	62	57014	6.264	ug/l	99
5) Bromomethane	2.54	94	31771	6.516	ug/l	96
6) Chloroethane	2.69	64	32657	6.531	ug/l	99
7) Trichlorofluoromethane	3.01	101	61538	4.955	ug/l	98
8) Diethyl Ether	3.41	74	28351	6.277	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	40160	5.393	ug/l	98
10) Methyl Iodide	3.94	142	47447	4.540	ug/l #	94
11) Tert butyl alcohol	4.82	59	36323	48.320	ug/l #	94
12) 1,1-Dichloroethene	3.73	96	39357	5.479	ug/l	96
13) Acrolein	3.61	56	29623	54.942	ug/l	99
14) Allyl chloride	4.32	41	76187	5.122	ug/l	97
15) Acrylonitrile	5.00	53	118075	35.428	ug/l	98
16) Acetone	3.83	43	123400	37.865	ug/l	100
17) Carbon Disulfide	4.04	76	102421	5.439	ug/l	99
18) Methyl Acetate	4.33	43	58367	6.479	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	128298	6.170	ug/l	100
20) Methylene Chloride	4.55	84	52849	5.810	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	42122	5.520	ug/l	94
22) Diisopropyl ether	5.96	45	160111	5.388	ug/l	97
23) Vinyl Acetate	5.90	43	583900	29.046	ug/l	97
24) 1,1-Dichloroethane	5.85	63	86433	5.459	ug/l	97
25) 2-Butanone	6.84	43	163953	38.296	ug/l	99
26) 2,2-Dichloropropane	6.82	77	52602	4.880	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	46851	5.370	ug/l	97
28) Bromochloromethane	7.19	49	42748	5.295	ug/l	98
29) Tetrahydrofuran	7.22	42	111149	40.524	ug/l	98
30) Chloroform	7.37	83	80709	5.397	ug/l	99
31) Cyclohexane	7.65	56	96237	6.338	ug/l #	89
32) 1,1,1-Trichloroethane	7.57	97	59517	4.947	ug/l	97
36) 1,1-Dichloropropene	7.79	75	59674	4.955	ug/l	96
37) Ethyl Acetate	6.94	43	64358	6.483	ug/l	96
38) Carbon Tetrachloride	7.77	117	49595	4.391	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	73657	5.677	ug/l	98
40) Benzene	8.04	78	183995	5.170	ug/l	99
41) Methacrylonitrile	7.17	41	24635	4.803	ug/l #	85
42) 1,2-Dichloroethane	8.13	62	65850	5.247	ug/l	99
43) Isopropyl Acetate	8.17	43	93526	5.961	ug/l	99
44) Trichloroethene	8.83	130	44472	4.962	ug/l	97
45) 1,2-Dichloropropane	9.12	63	53575	5.239	ug/l	98
46) Dibromomethane	9.21	93	30829	5.450	ug/l	99
47) Bromodichloromethane	9.40	83	56198	4.722	ug/l	98
48) Methyl methacrylate	9.20	41	44347	5.783	ug/l	95
49) 1,4-Dioxane	9.20	88	18506	194.287	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	312688	34.151	ug/l	100
52) Toluene	10.16	92	105671	5.170	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	49862	4.746	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	62946	4.840	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	43388	5.647	ug/l	98
56) Ethyl methacrylate	10.43	69	60424	6.147	ug/l	98
57) 1,3-Dichloropropane	10.71	76	74366	5.496	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	81106	30.408	ug/l	99
59) 2-Hexanone	10.75	43	222536	37.703	ug/l	98
60) Dibromochloromethane	10.90	129	35698	4.647	ug/l	99
61) 1,2-Dibromoethane	11.01	107	39672	5.533	ug/l	98
64) Tetrachloroethene	10.63	164	42591	4.976	ug/l	97
65) Chlorobenzene	11.43	112	103468	5.021	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	35729	4.511	ug/l	98
67) Ethyl Benzene	11.51	91	199130	5.327	ug/l	99
68) m/p-Xylenes	11.62	106	141496	10.579	ug/l	98
69) o-Xylene	11.95	106	69353	5.230	ug/l	99
70) Styrene	11.96	104	104255	5.094	ug/l	97
71) Bromoform	12.13	173	20978	4.639	ug/l #	95
73) Isopropylbenzene	12.25	105	179905	5.065	ug/l	100
74) N-amyl acetate	12.07	43	64798	6.610	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	61118	6.501	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	54368m	6.435	ug/l	
77) Bromobenzene	12.53	156	39292	4.891	ug/l	95
78) n-propylbenzene	12.59	91	194101	5.279	ug/l	99
79) 2-Chlorotoluene	12.67	91	124763	5.305	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	150019	5.337	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	13128	6.482	ug/l	86
82) 4-Chlorotoluene	12.77	91	115359	5.376	ug/l	100
83) tert-Butylbenzene	12.99	119	131453	5.234	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	128755	5.123	ug/l	100
85) sec-Butylbenzene	13.17	105	167649	5.469	ug/l	99
86) p-Isopropyltoluene	13.29	119	133882	5.321	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	57789	4.829	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	57382	5.089	ug/l	93
89) n-Butylbenzene	13.61	91	94513	5.210	ug/l	98
90) Hexachloroethane	13.87	117	21819	4.664	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	58299	4.910	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	7337	7.064	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	16733	4.417	ug/l	96
94) Hexachlorobutadiene	15.01	225	22204	5.098	ug/l	99
95) Naphthalene	15.13	128	47464	5.397	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	18239	4.593	ug/l	98

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

