

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031319\
 Data File : VN054206.D
 Acq On : 13 Mar 2019 12:36
 Operator : JC/SP
 Sample : VN0313WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 10:27:11 AM

Quant Time: Mar 14 06:43:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1386216	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	2134300	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1862433	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	900734	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	747045	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	
35) Dibromofluoromethane	7.59	113	681649	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
50) Toluene-d8	10.09	98	2479494	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	
62) 4-Bromofluorobenzene	12.40	95	850014	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	281486	21.426	ug/l	97
3) Chloromethane	2.06	50	256633	20.110	ug/l	98
4) Vinyl Chloride	2.19	62	296295	20.313	ug/l	99
5) Bromomethane	2.58	94	212817	21.066	ug/l	98
6) Chloroethane	2.71	64	174267	19.746	ug/l	100
7) Trichlorofluoromethane	3.03	101	389210	20.070	ug/l	99
8) Diethyl Ether	3.41	74	189277	21.418	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	313660	21.584	ug/l	97
10) Methyl Iodide	3.94	142	350963	17.994	ug/l	100
11) Tert butyl alcohol	4.82	59	93134	92.282	ug/l	99
12) 1,1-Dichloroethene	3.73	96	308089	21.393	ug/l	99
13) Acrolein	3.61	56	81324	85.037	ug/l	96
14) Allyl chloride	4.32	41	375094	20.300	ug/l	99
15) Acrylonitrile	5.00	53	431283	104.033	ug/l	99
16) Acetone	3.82	43	381596	90.530	ug/l	99
17) Carbon Disulfide	4.04	76	707914	19.609	ug/l	100
18) Methyl Acetate	4.33	43	188285	22.079	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	750031	21.011	ug/l	99
20) Methylene Chloride	4.54	84	294273	21.262	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	290275	21.037	ug/l	99
22) Diisopropyl ether	5.96	45	771522	20.921	ug/l	99
23) Vinyl Acetate	5.90	43	2790159	102.617	ug/l	100
24) 1,1-Dichloroethane	5.85	63	497040	20.991	ug/l	99
25) 2-Butanone	6.85	43	500878	101.243	ug/l	99
26) 2,2-Dichloropropane	6.82	77	402237	19.317	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	329456	21.402	ug/l	99
28) Bromochloromethane	7.19	49	195064	20.151	ug/l	100
29) Tetrahydrofuran	7.22	42	327291	102.892	ug/l	100
30) Chloroform	7.37	83	524898	21.244	ug/l	100
31) Cyclohexane	7.65	56	462445	20.157	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	465078	20.842	ug/l	99
36) 1,1-Dichloropropene	7.79	75	390892	19.888	ug/l	98
37) Ethyl Acetate	6.93	43	228557	20.238	ug/l	98
38) Carbon Tetrachloride	7.77	117	396612	19.242	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	492476	20.364	ug/l	99
40) Benzene	8.04	78	1162492	20.668	ug/l	100
41) Methacrylonitrile	7.18	41	123313	19.123	ug/l	96
42) 1,2-Dichloroethane	8.12	62	393934	20.745	ug/l	100
43) Isopropyl Acetate	8.17	43	381095	19.225	ug/l	99
44) Trichloroethene	8.83	130	359784	20.592	ug/l	98
45) 1,2-Dichloropropane	9.12	63	293804	21.037	ug/l	100
46) Dibromomethane	9.21	93	196418	20.815	ug/l	99
47) Bromodichloromethane	9.40	83	382134	20.200	ug/l	100
48) Methyl methacrylate	9.20	41	208982	20.773	ug/l	99
49) 1,4-Dioxane	9.20	88	57240	402.255	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1055548	100.618	ug/l	99
52) Toluene	10.16	92	739564	20.738	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	376818	18.710	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	435500	19.755	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	272292	20.910	ug/l	99
56) Ethyl methacrylate	10.43	69	316498	20.384	ug/l	100
57) 1,3-Dichloropropane	10.71	76	435596	20.458	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	568276	95.510	ug/l	100
59) 2-Hexanone	10.75	43	677832	97.104	ug/l	99
60) Dibromochloromethane	10.90	129	281366	19.197	ug/l	99
61) 1,2-Dibromoethane	11.01	107	269874	20.394	ug/l	99
64) Tetrachloroethene	10.63	164	366134	20.333	ug/l	98
65) Chlorobenzene	11.43	112	848731	20.754	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	299635	20.170	ug/l	100
67) Ethyl Benzene	11.51	91	1383507	20.409	ug/l	99
68) m/p-Xylenes	11.62	106	1091010	41.178	ug/l	99
69) o-Xylene	11.95	106	538029	20.831	ug/l	99
70) Styrene	11.96	104	831456	20.526	ug/l	99
71) Bromoform	12.13	173	184436	17.872	ug/l #	98
73) Isopropylbenzene	12.25	105	1429739	19.840	ug/l	100
74) N-amyl acetate	12.07	43	306117	19.137	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	299823	19.528	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	276640m	20.885	ug/l	
77) Bromobenzene	12.53	156	378618	19.855	ug/l	97
78) n-propylbenzene	12.59	91	1556301	19.903	ug/l	100
79) 2-Chlorotoluene	12.67	91	929926	19.779	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1185047	19.770	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	60388	15.585	ug/l	87
82) 4-Chlorotoluene	12.77	91	932342	19.859	ug/l	100
83) tert-Butylbenzene	12.99	119	1089485	19.747	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1184736	20.146	ug/l	99
85) sec-Butylbenzene	13.17	105	1417849	19.816	ug/l	100
86) p-Isopropyltoluene	13.29	119	1258889	20.055	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	660403	20.553	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	626468	19.846	ug/l	99
89) n-Butylbenzene	13.62	91	975266	20.448	ug/l	100
90) Hexachloroethane	13.87	117	180837	17.398	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	641279	20.415	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44013	18.525	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	331889	19.136	ug/l	99
94) Hexachlorobutadiene	15.01	225	250436	20.931	ug/l	99
95) Naphthalene	15.13	128	643711	18.633	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	349423	20.936	ug/l	100

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

