

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062119\
 Data File : VN056426.D
 Acq On : 21 Jun 2019 15:16
 Operator : JC/SP
 Sample : VN0621WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBS02

Manual Integrations
 APPROVED

MMDadoda
 6/24/2019 4:16:22 PM

Quant Time: Jun 24 09:26:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	366195	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	568279	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	496608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	183225	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	209516	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
35) Dibromofluoromethane	7.59	113	179727	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
50) Toluene-d8	10.09	98	689758	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
62) 4-Bromofluorobenzene	12.40	95	220740	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	63390	20.443	ug/l	98
3) Chloromethane	2.06	50	81915	19.402	ug/l	99
4) Vinyl Chloride	2.18	62	82019	20.113	ug/l	98
5) Bromomethane	2.54	94	53229m	22.266	ug/l	
6) Chloroethane	2.68	64	48831	20.678	ug/l	94
7) Trichlorofluoromethane	3.00	101	106669	20.222	ug/l	100
8) Diethyl Ether	3.41	74	46372	20.772	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	67805	20.157	ug/l	100
10) Methyl Iodide	3.95	142	91870	20.207	ug/l	99
11) Tert butyl alcohol	4.80	59	69021	100.972	ug/l	97
12) 1,1-Dichloroethene	3.73	96	66889	20.677	ug/l	99
13) Acrolein	3.61	56	50846	88.256	ug/l	98
14) Allyl chloride	4.32	41	107630	19.987	ug/l	99
15) Acrylonitrile	4.99	53	201312	106.453	ug/l	99
16) Acetone	3.82	43	179599	88.324	ug/l	99
17) Carbon Disulfide	4.05	76	133463	18.139	ug/l	100
18) Methyl Acetate	4.33	43	90547	22.254	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	224776	20.999	ug/l	100
20) Methylene Chloride	4.55	84	80812	20.558	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	70627	20.250	ug/l	98
22) Diisopropyl ether	5.96	45	236796	20.938	ug/l	94
23) Vinyl Acetate	5.90	43	967928	108.514	ug/l	100
24) 1,1-Dichloroethane	5.85	63	136083	20.962	ug/l	99
25) 2-Butanone	6.84	43	271351	100.828	ug/l	96
26) 2,2-Dichloropropane	6.82	77	84841	18.791	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	86553	21.212	ug/l	97
28) Bromochloromethane	7.19	49	64976	20.235	ug/l	100
29) Tetrahydrofuran	7.21	42	182382	110.896	ug/l	99
30) Chloroform	7.37	83	132882	20.744	ug/l	98
31) Cyclohexane	7.65	56	124742	19.904	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	104161	20.514	ug/l	100
36) 1,1-Dichloropropene	7.79	75	95516	19.096	ug/l	99
37) Ethyl Acetate	6.93	43	106251	21.615	ug/l	98
38) Carbon Tetrachloride	7.77	117	87427	19.988	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	119323	19.333	ug/l	100
40) Benzene	8.04	78	310672	20.192	ug/l	98
41) Methacrylonitrile	7.17	41	40963m	18.872	ug/l	
42) 1,2-Dichloroethane	8.13	62	105353	20.749	ug/l	99
43) Isopropyl Acetate	8.17	43	157994	20.844	ug/l	99
44) Trichloroethene	8.84	130	82569	19.922	ug/l	96
45) 1,2-Dichloropropane	9.12	63	85109	20.684	ug/l	98
46) Dibromomethane	9.21	93	53798	20.898	ug/l	100
47) Bromodichloromethane	9.40	83	95176	20.846	ug/l	96
48) Methyl methacrylate	9.20	41	77148	20.311	ug/l	99
49) 1,4-Dioxane	9.21	88	32776	415.816	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	522274	106.757	ug/l	100
52) Toluene	10.16	92	193720	20.594	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	94687	19.668	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	113070	20.565	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	80886	21.393	ug/l	98
56) Ethyl methacrylate	10.43	69	117238	21.217	ug/l	99
57) 1,3-Dichloropropane	10.71	76	133465	21.012	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	193878	97.666	ug/l	99
59) 2-Hexanone	10.75	43	363203	101.014	ug/l	99
60) Dibromochloromethane	10.90	129	69403	19.389	ug/l	100
61) 1,2-Dibromoethane	11.00	107	79889	20.687	ug/l	99
64) Tetrachloroethene	10.63	164	82708	21.031	ug/l	99
65) Chlorobenzene	11.43	112	202520	20.295	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	72386	21.463	ug/l	99
67) Ethyl Benzene	11.51	91	353426	20.172	ug/l	100
68) m/p-Xylenes	11.62	106	261870	40.783	ug/l	99
69) o-Xylene	11.95	106	129740	20.423	ug/l	99
70) Styrene	11.96	104	204394	20.129	ug/l	98
71) Bromoform	12.13	173	46295	19.089	ug/l #	100
73) Isopropylbenzene	12.25	105	342011	23.423	ug/l	99
74) N-amyl acetate	12.07	43	125255	21.480	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	108284	23.805	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	95733m	25.198	ug/l	
77) Bromobenzene	12.53	156	85255	20.810	ug/l	97
78) n-propylbenzene	12.59	91	354527	21.129	ug/l	99
79) 2-Chlorotoluene	12.67	91	222343	22.789	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	276034	22.705	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	21226	19.857	ug/l	91
82) 4-Chlorotoluene	12.77	91	203104	20.501	ug/l	100
83) tert-Butylbenzene	12.99	119	245324	22.921	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	257013	20.837	ug/l	100
85) sec-Butylbenzene	13.17	105	312009	21.156	ug/l	100
86) p-Isopropyltoluene	13.29	119	258614	20.433	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	126754	20.416	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	118015	19.627	ug/l	99
89) n-Butylbenzene	13.61	91	175802	18.348	ug/l	99
90) Hexachloroethane	13.87	117	40073	20.308	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	130428	21.174	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14499	21.386	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	41573	17.119	ug/l	98
94) Hexachlorobutadiene	15.01	225	45156	20.524	ug/l	99
95) Naphthalene	15.13	128	122731	18.348	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	50606	18.342	ug/l	99

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

