

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072219\
 Data File : VN056860.D
 Acq On : 22 Jul 2019 17:46
 Operator : JC/SP
 Sample : VN0722WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0722WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 3:01:45 PM

Quant Time: Jul 23 02:32:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 23 01:46:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	340215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	516866	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	455145	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	180339	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	192706	53.10	ug/l	0.00
Spiked Amount			Recovery	=	106.20%	
35) Dibromofluoromethane	7.59	113	172417	52.63	ug/l	0.00
Spiked Amount			Recovery	=	105.26%	
50) Toluene-d8	10.09	98	664439	53.01	ug/l	0.00
Spiked Amount			Recovery	=	106.02%	
62) 4-Bromofluorobenzene	12.40	95	208366	50.80	ug/l	0.00
Spiked Amount			Recovery	=	101.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	86370	20.503	ug/l	96
3) Chloromethane	2.06	50	99384	20.931	ug/l	99
4) Vinyl Chloride	2.18	62	93268	21.383	ug/l	99
5) Bromomethane	2.55	94	57609	21.713	ug/l	94
6) Chloroethane	2.70	64	50468	21.113	ug/l	98
7) Trichlorofluoromethane	3.01	101	111978	21.014	ug/l	100
8) Diethyl Ether	3.40	74	41241	20.770	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	69995	21.239	ug/l	98
10) Methyl Iodide	3.94	142	90353	19.580	ug/l	99
11) Tert butyl alcohol	4.82	59	51442	99.790	ug/l	100
12) 1,1-Dichloroethene	3.73	96	69842	21.154	ug/l	97
13) Acrolein	3.60	56	38827	90.521	ug/l	98
14) Allyl chloride	4.31	41	112999	20.818	ug/l	99
15) Acrylonitrile	4.99	53	166679	107.453	ug/l	98
16) Acetone	3.82	43	134039	102.571	ug/l	97
17) Carbon Disulfide	4.04	76	179802	19.953	ug/l	99
18) Methyl Acetate	4.33	43	95058	21.132	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	208309	21.356	ug/l	100
20) Methylene Chloride	4.54	84	80460	20.591	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	72052	20.892	ug/l	98
22) Diisopropyl ether	5.96	45	237578	21.650	ug/l	99
23) Vinyl Acetate	5.90	43	840962	106.093	ug/l	100
24) 1,1-Dichloroethane	5.85	63	137955	21.699	ug/l	99
25) 2-Butanone	6.84	43	207678	108.119	ug/l	99
26) 2,2-Dichloropropane	6.82	77	94996	21.353	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	84214	21.300	ug/l	100
28) Bromochloromethane	7.19	49	64683	22.413	ug/l	99
29) Tetrahydrofuran	7.22	42	142238	107.703	ug/l	99
30) Chloroform	7.37	83	134408	21.089	ug/l	97
31) Cyclohexane	7.65	56	128473	20.828	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	109227	21.184	ug/l	98
36) 1,1-Dichloropropene	7.79	75	100328	21.048	ug/l	98
37) Ethyl Acetate	6.93	43	86940	22.618	ug/l	99
38) Carbon Tetrachloride	7.77	117	92660	20.421	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	121914	20.440	ug/l	99
40) Benzene	8.04	78	311710	21.053	ug/l	100
41) Methacrylonitrile	7.18	41	39924	20.919	ug/l	98
42) 1,2-Dichloroethane	8.12	62	100646	21.756	ug/l	100
43) Isopropyl Acetate	8.17	43	137679	20.835	ug/l	99
44) Trichloroethene	8.83	130	82638	20.839	ug/l	96
45) 1,2-Dichloropropane	9.12	63	83198	20.859	ug/l	97
46) Dibromomethane	9.21	93	51898	21.080	ug/l	99
47) Bromodichloromethane	9.40	83	96995	20.950	ug/l	98
48) Methyl methacrylate	9.20	41	69417	20.999	ug/l	99
49) 1,4-Dioxane	9.20	88	27910	430.436	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	427022	108.367	ug/l	100
52) Toluene	10.16	92	190083	21.335	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	98498	20.729	ug/l	95
54) cis-1,3-Dichloropropene	9.84	75	117484	20.972	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	74869	21.172	ug/l	99
56) Ethyl methacrylate	10.43	69	104985	21.386	ug/l	98
57) 1,3-Dichloropropane	10.71	76	125282	21.403	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	214243	96.277	ug/l	100
59) 2-Hexanone	10.75	43	292742	107.326	ug/l	98
60) Dibromochloromethane	10.90	129	73991	20.851	ug/l	100
61) 1,2-Dibromoethane	11.00	107	75637	21.536	ug/l	98
64) Tetrachloroethene	10.63	164	83527	21.392	ug/l	96
65) Chlorobenzene	11.43	112	197532	20.884	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	74782	20.972	ug/l	100
67) Ethyl Benzene	11.51	91	347119	21.259	ug/l	99
68) m/p-Xylenes	11.62	106	259189	42.401	ug/l	99
69) o-Xylene	11.95	106	127459	21.359	ug/l	99
70) Styrene	11.96	104	206178	20.004	ug/l	99
71) Bromoform	12.12	173	50266	20.342	ug/l #	100
73) Isopropylbenzene	12.25	105	338915	22.722	ug/l	99
74) N-amyl acetate	12.07	43	110446	20.859	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	96681	22.732	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	84724m	22.669	ug/l	
77) Bromobenzene	12.52	156	85435	21.719	ug/l	98
78) n-propylbenzene	12.59	91	359626	21.695	ug/l	99
79) 2-Chlorotoluene	12.67	91	221650	22.582	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	280527	22.304	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	24993	21.418	ug/l	95
82) 4-Chlorotoluene	12.77	91	206448	20.934	ug/l	99
83) tert-Butylbenzene	12.99	119	243468	22.419	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	276770	22.153	ug/l	99
85) sec-Butylbenzene	13.17	105	314518	21.422	ug/l	100
86) p-Isopropyltoluene	13.29	119	279968	21.405	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	131977	20.930	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	128904	21.043	ug/l	99
89) n-Butylbenzene	13.61	91	214418	21.322	ug/l	99
90) Hexachloroethane	13.87	117	47232	20.684	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	133834	21.117	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14004	20.295	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	53279	18.478	ug/l	99
94) Hexachlorobutadiene	15.01	225	49247	21.831	ug/l	99
95) Naphthalene	15.13	128	135357	17.931	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	60369	18.969	ug/l	98

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

