

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022820\
 Data File : VN060275.D
 Acq On : 28 Feb 2020 11:40
 Operator : JC/MD
 Sample : VN0228WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0228WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/2/2020 11:00:45 AM

Quant Time: Feb 29 00:54:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	208589	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	338349	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	310285	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	150003	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	133383	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	
35) Dibromofluoromethane	7.56	113	88237	56.18	ug/l	0.00
Spiked Amount			Recovery	=	112.36%	
50) Toluene-d8	10.08	98	383769	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
62) 4-Bromofluorobenzene	12.40	95	144581	47.98	ug/l	0.00
Spiked Amount			Recovery	=	95.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	34150	17.857	ug/l	99
3) Chloromethane	2.04	50	58315	17.514	ug/l	97
4) Vinyl Chloride	2.16	62	49320	17.272	ug/l	100
5) Bromomethane	2.55	94	19930	15.690	ug/l	99
6) Chloroethane	2.68	64	26762	17.298	ug/l	96
7) Trichlorofluoromethane	3.00	101	65390	17.923	ug/l	99
8) Diethyl Ether	3.38	74	25555	18.552	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	38489	18.641	ug/l	98
10) Methyl Iodide	3.93	142	34800	18.467	ug/l	99
11) Tert butyl alcohol	4.73	59	37890	95.348	ug/l #	87
12) 1,1-Dichloroethene	3.71	96	36400	18.115	ug/l	99
13) Acrolein	3.57	56	35883	96.792	ug/l	98
14) Allyl chloride	4.29	41	68314	18.489	ug/l	98
15) Acrylonitrile	4.94	53	99231	94.737	ug/l	99
16) Acetone	3.78	43	79683	92.201	ug/l	99
17) Carbon Disulfide	4.03	76	99998	18.358	ug/l	99
18) Methyl Acetate	4.28	43	50836	17.626	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	138914	19.093	ug/l	100
20) Methylene Chloride	4.52	84	42149	17.758	ug/l	97
21) trans-1,2-Dichloroethene	5.00	96	40967	18.761	ug/l	98
22) Diisopropyl ether	5.91	45	142004	18.973	ug/l	95
23) Vinyl Acetate	5.86	43	566630	95.275	ug/l	99
24) 1,1-Dichloroethane	5.81	63	78847	18.611	ug/l	99
25) 2-Butanone	6.80	43	127157	91.090	ug/l	99
26) 2,2-Dichloropropane	6.79	77	70072	18.168	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	48090	17.474	ug/l	98
28) Bromochloromethane	7.17	49	32378	18.614	ug/l	99
29) Tetrahydrofuran	7.18	42	88313	90.978	ug/l	99
30) Chloroform	7.35	83	79144	18.766	ug/l	97
31) Cyclohexane	7.63	56	70577	18.682	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	69023	18.472	ug/l	99
36) 1,1-Dichloropropene	7.77	75	57654	17.879	ug/l	99
37) Ethyl Acetate	6.89	43	58079	19.022	ug/l	99
38) Carbon Tetrachloride	7.75	117	57274	18.243	ug/l	99

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39) Methylcyclohexane	9.06	83	68495	18.015	ug/l	100
40) Benzene	8.02	78	172297	18.358	ug/l	99
41) Methacrylonitrile	7.15	41	28850m	20.463	ug/l	
42) 1,2-Dichloroethane	8.10	62	64417	19.020	ug/l	100
43) Isopropyl Acetate	8.14	43	100235	18.752	ug/l	99
44) Trichloroethene	8.82	130	47687	18.243	ug/l	95
45) 1,2-Dichloropropane	9.10	63	46295	18.866	ug/l	98
46) Dibromomethane	9.19	93	29470	18.509	ug/l	99
47) Bromodichloromethane	9.38	83	61326	18.937	ug/l	99
48) Methyl methacrylate	9.18	41	43281	17.756	ug/l	98
49) 1,4-Dioxane	9.18	88	13473	393.044	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	282021	93.054	ug/l	100
52) Toluene	10.14	92	107658	18.261	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	71981	18.140	ug/l	96
54) cis-1,3-Dichloropropene	9.82	75	77042	18.737	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	43826	18.485	ug/l	99
56) Ethyl methacrylate	10.42	69	63611	18.675	ug/l	99
57) 1,3-Dichloropropane	10.70	76	74522	19.274	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	167801	94.194	ug/l	99
59) 2-Hexanone	10.74	43	204231	91.780	ug/l	99
60) Dibromochloromethane	10.89	129	44918	18.630	ug/l	99
61) 1,2-Dibromoethane	10.99	107	43941	19.012	ug/l	96
64) Tetrachloroethene	10.62	164	50119	19.657	ug/l	98
65) Chlorobenzene	11.42	112	113379	18.096	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	43769	18.893	ug/l	99
67) Ethyl Benzene	11.50	91	207645	18.199	ug/l	99
68) m/p-Xylenes	11.61	106	154322	35.848	ug/l	98
69) o-Xylene	11.94	106	74924	18.252	ug/l	100
70) Styrene	11.96	104	120950	17.921	ug/l	100
71) Bromoform	12.12	173	30417	18.218	ug/l #	99
73) Isopropylbenzene	12.24	105	202366	18.202	ug/l	99
74) N-amyl acetate	12.06	43	86437	17.792	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	55575	18.389	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	53298m	16.195	ug/l	
77) Bromobenzene	12.52	156	49592	18.197	ug/l	99
78) n-propylbenzene	12.59	91	236356	18.136	ug/l	99
79) 2-Chlorotoluene	12.67	91	138274	18.050	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	170659	18.231	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	21889	18.360	ug/l #	88
82) 4-Chlorotoluene	12.77	91	144913	17.954	ug/l	98
83) tert-Butylbenzene	12.99	119	144340	17.810	ug/l	98
84) 1,2,4-Trimethylbenzene	13.03	105	171657	18.168	ug/l	100
85) sec-Butylbenzene	13.17	105	196007	18.060	ug/l	100
86) p-Isopropyltoluene	13.28	119	177100	17.630	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	90174	19.139	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	88228	18.732	ug/l	99
89) n-Butylbenzene	13.61	91	162925	17.669	ug/l	100
90) Hexachloroethane	13.87	117	25335	17.424	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	84095	17.610	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11424	16.692	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	57164	18.894	ug/l	98
94) Hexachlorobutadiene	15.01	225	27248	19.182	ug/l	98
95) Naphthalene	15.13	128	167386	18.557	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	54454	18.942	ug/l	97

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

