

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060820\
 Data File : VN061688.D
 Acq On : 8 Jun 2020 12:03
 Operator : JC/MD
 Sample : VN0608WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/9/2020 1:46:09 PM

Quant Time: Jun 09 03:31:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	398759	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	632969	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	592972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	290083	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	224100	47.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.34%	
35) Dibromofluoromethane	7.54	113	185114	57.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.30%	
50) Toluene-d8	10.06	98	775737	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
62) 4-Bromofluorobenzene	12.37	95	272963	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	83930	18.959	ug/l	98
3) Chloromethane	2.03	50	85809	17.643	ug/l	99
4) Vinyl Chloride	2.16	62	113622	17.048	ug/l	98
5) Bromomethane	2.54	94	74880	19.580	ug/l	99
6) Chloroethane	2.67	64	75806	17.671	ug/l	96
7) Trichlorofluoromethane	2.98	101	143910	16.744	ug/l	99
8) Diethyl Ether	3.37	74	46193	17.577	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.71	101	75298	19.743	ug/l	99
10) Methyl Iodide	3.91	142	100264	18.938	ug/l	99
11) Tert butyl alcohol	4.73	59	58869	93.157	ug/l	98
12) 1,1-Dichloroethene	3.70	96	72928	17.898	ug/l	93
13) Acrolein	3.56	56	14319	54.220	ug/l	99
14) Allyl chloride	4.27	41	87355	16.399	ug/l	96
15) Acrylonitrile	4.92	53	149437	84.722	ug/l	98
16) Acetone	3.77	43	125784	92.150	ug/l	98
17) Carbon Disulfide	4.01	76	171098	19.086	ug/l	100
18) Methyl Acetate	4.27	43	71901	16.718	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	238792	17.196	ug/l	99
20) Methylene Chloride	4.50	84	83870	18.320	ug/l	92
21) trans-1,2-Dichloroethene	4.99	96	82033	17.852	ug/l	93
22) Diisopropyl ether	5.90	45	208512	17.760	ug/l	97
23) Vinyl Acetate	5.84	43	755595	80.746	ug/l	98
24) 1,1-Dichloroethane	5.80	63	132534	17.802	ug/l	100
25) 2-Butanone	6.78	43	180731	80.267	ug/l	99
26) 2,2-Dichloropropane	6.77	77	124713	18.302	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	95980	18.446	ug/l	98
28) Bromochloromethane	7.15	49	58616	20.139	ug/l	97
29) Tetrahydrofuran	7.16	42	116364	78.373	ug/l	97
30) Chloroform	7.33	83	153740	18.665	ug/l	99
31) Cyclohexane	7.61	56	114197	17.055	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	135441	18.046	ug/l	99
36) 1,1-Dichloropropene	7.75	75	105359	18.803	ug/l	97
37) Ethyl Acetate	6.88	43	74327	16.469	ug/l	95
38) Carbon Tetrachloride	7.73	117	110007	20.353	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	123229	17.842	ug/l	96
40) Benzene	8.00	78	333157	19.270	ug/l	100
41) Methacrylonitrile	7.12	41	32949	15.935	ug/l #	89
42) 1,2-Dichloroethane	8.08	62	107539	18.579	ug/l	99
43) Isopropyl Acetate	8.12	43	135190	16.650	ug/l	98
44) Trichloroethene	8.80	130	102033	19.203	ug/l	96
45) 1,2-Dichloropropane	9.08	63	80335	19.568	ug/l	97
46) Dibromomethane	9.17	93	58629	18.621	ug/l	95
47) Bromodichloromethane	9.36	83	120180	19.265	ug/l	99
48) Methyl methacrylate	9.17	41	56974	15.596	ug/l	95
49) 1,4-Dioxane	9.16	88	27095	478.760	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	387303	84.644	ug/l	98
52) Toluene	10.12	92	218549	19.367	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	125409	18.662	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	135832	18.799	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	87108	19.376	ug/l	98
56) Ethyl methacrylate	10.40	69	111346	17.730	ug/l	98
57) 1,3-Dichloropropane	10.68	76	137184	19.079	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	230689	85.956	ug/l	98
59) 2-Hexanone	10.72	43	272718	82.991	ug/l	100
60) Dibromochloromethane	10.87	129	98388	19.250	ug/l	99
61) 1,2-Dibromoethane	10.98	107	90731	19.350	ug/l	97
64) Tetrachloroethene	10.60	164	110261	19.754	ug/l	97
65) Chlorobenzene	11.40	112	241761	19.614	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	91028	19.834	ug/l	99
67) Ethyl Benzene	11.48	91	411807	19.330	ug/l	99
68) m/p-Xylenes	11.59	106	325560	38.542	ug/l	100
69) o-Xylene	11.92	106	154790	19.293	ug/l	99
70) Styrene	11.94	104	252490	19.004	ug/l	98
71) Bromoform	12.10	173	67481	19.081	ug/l #	100
73) Isopropylbenzene	12.22	105	411862	19.453	ug/l	99
74) N-amyl acetate	12.04	43	110082	16.510	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	108377	18.266	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	97273m	18.441	ug/l	
77) Bromobenzene	12.50	156	106147	19.641	ug/l	95
78) n-propylbenzene	12.56	91	450153	19.045	ug/l	100
79) 2-Chlorotoluene	12.65	91	267764	18.999	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	341695	19.309	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	34550	16.750	ug/l	100
82) 4-Chlorotoluene	12.75	91	276676	18.660	ug/l	99
83) tert-Butylbenzene	12.97	119	294294	18.822	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	339506	19.312	ug/l	98
85) sec-Butylbenzene	13.15	105	376462	18.685	ug/l	99
86) p-Isopropyltoluene	13.26	119	353647	19.060	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	189230	19.773	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	188143	19.298	ug/l	98
89) n-Butylbenzene	13.59	91	279519	17.986	ug/l	98
90) Hexachloroethane	13.85	117	49865	24.302	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	180248	19.708	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	18470	15.264	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	99049	18.518	ug/l	99
94) Hexachlorobutadiene	14.99	225	45496	19.944	ug/l	99
95) Naphthalene	15.10	128	268717	16.506	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	95760	18.209	ug/l	98

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

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