

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062320\
 Data File : VN062044.D
 Acq On : 23 Jun 2020 16:06
 Operator : JC/MD
 Sample : VN0623WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0623WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/24/2020 10:59:12 AM

Quant Time: Jun 24 01:49:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	161691	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	279180	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	263214	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	121831	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	109418	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
35) Dibromofluoromethane	7.55	113	90092	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
50) Toluene-d8	10.06	98	350174	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
62) 4-Bromofluorobenzene	12.37	95	119820	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	40270	19.321	ug/l	95
3) Chloromethane	2.03	50	39832	17.748	ug/l	98
4) Vinyl Chloride	2.16	62	48310	18.056	ug/l	98
5) Bromomethane	2.53	94	32752	15.941	ug/l	96
6) Chloroethane	2.67	64	34268	18.925	ug/l	99
7) Trichlorofluoromethane	2.98	101	62449	19.540	ug/l	99
8) Diethyl Ether	3.37	74	22844	21.262	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.71	101	34706	21.167	ug/l	99
10) Methyl Iodide	3.90	142	30870	19.260	ug/l	99
11) Tert butyl alcohol	4.73	59	30398	101.300	ug/l	99
12) 1,1-Dichloroethene	3.69	96	31670	19.277	ug/l	98
13) Acrolein	3.56	56	10442	58.222	ug/l	97
14) Allyl chloride	4.27	41	47037	21.572	ug/l	97
15) Acrylonitrile	4.93	53	83964	112.924	ug/l	100
16) Acetone	3.77	43	70751	110.455	ug/l	96
17) Carbon Disulfide	4.01	76	75580	15.723	ug/l	99
18) Methyl Acetate	4.27	43	40135	21.764	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	116270	21.256	ug/l	97
20) Methylene Chloride	4.50	84	41387	19.832	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	35211	18.660	ug/l	99
22) Diisopropyl ether	5.90	45	109215	21.901	ug/l	96
23) Vinyl Acetate	5.84	43	417303	106.398	ug/l	98
24) 1,1-Dichloroethane	5.80	63	68846	21.090	ug/l	99
25) 2-Butanone	6.78	43	102325	109.491	ug/l	98
26) 2,2-Dichloropropane	6.77	77	57100	20.791	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	43167	19.826	ug/l	97
28) Bromochloromethane	7.14	49	29121	20.035	ug/l	91
29) Tetrahydrofuran	7.17	42	65881	107.118	ug/l	96
30) Chloroform	7.33	83	71817	20.585	ug/l	99
31) Cyclohexane	7.61	56	52820	18.483	ug/l	96
32) 1,1,1-Trichloroethane	7.52	97	59902	20.161	ug/l	99
36) 1,1-Dichloropropene	7.75	75	49601	19.479	ug/l	100
37) Ethyl Acetate	6.88	43	43551	21.901	ug/l #	87
38) Carbon Tetrachloride	7.73	117	48924	19.401	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	52001	18.965	ug/l	99
40) Benzene	8.00	78	154200	19.990	ug/l	99
41) Methacrylonitrile	7.13	41	18685	21.974	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	54432	20.695	ug/l	100
43) Isopropyl Acetate	8.12	43	73368	21.894	ug/l #	91
44) Trichloroethene	8.80	130	38755	19.091	ug/l	97
45) 1,2-Dichloropropane	9.08	63	39972	21.086	ug/l	99
46) Dibromomethane	9.17	93	27786	20.815	ug/l	95
47) Bromodichloromethane	9.37	83	56210	20.564	ug/l	97
48) Methyl methacrylate	9.17	41	31364	20.581	ug/l	98
49) 1,4-Dioxane	9.17	88	14366	410.593	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	217963	110.066	ug/l	99
52) Toluene	10.12	92	100748	20.797	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	59848	20.625	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	66398	21.067	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	40768	21.389	ug/l	96
56) Ethyl methacrylate	10.40	69	53441	20.192	ug/l	98
57) 1,3-Dichloropropane	10.68	76	69081	21.393	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	97946	97.367	ug/l	97
59) 2-Hexanone	10.72	43	152424	104.584	ug/l	99
60) Dibromochloromethane	10.87	129	42252	19.866	ug/l	97
61) 1,2-Dibromoethane	10.98	107	40141	20.168	ug/l	99
64) Tetrachloroethene	10.60	164	32718	19.502	ug/l	98
65) Chlorobenzene	11.40	112	109293	19.678	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	39341	20.310	ug/l	99
67) Ethyl Benzene	11.48	91	184725	19.837	ug/l	99
68) m/p-Xylenes	11.59	106	145005	40.383	ug/l	99
69) o-Xylene	11.92	106	67548	19.716	ug/l	96
70) Styrene	11.94	104	115190	20.080	ug/l	99
71) Bromoform	12.10	173	27447	19.433	ug/l #	99
73) Isopropylbenzene	12.22	105	182933	21.130	ug/l	99
74) N-amyl acetate	12.04	43	58786	20.665	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	58583	20.813	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	51915m	21.705	ug/l	
77) Bromobenzene	12.50	156	44672	20.453	ug/l	98
78) n-propylbenzene	12.56	91	209443	21.202	ug/l	100
79) 2-Chlorotoluene	12.65	91	124579	20.998	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	149171	20.827	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	17256	19.677	ug/l	93
82) 4-Chlorotoluene	12.75	91	129220	21.078	ug/l	97
83) tert-Butylbenzene	12.97	119	125489	20.666	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	149663	21.168	ug/l	100
85) sec-Butylbenzene	13.15	105	170391	21.439	ug/l	99
86) p-Isopropyltoluene	13.26	119	149122	21.056	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	78829	19.788	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	78332	19.210	ug/l	97
89) n-Butylbenzene	13.59	91	119435	20.193	ug/l	99
90) Hexachloroethane	13.85	117	28232	21.777	ug/l	94
91) 1,2-Dichlorobenzene	13.63	146	78162	20.381	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	9359	20.481	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	34335	18.973	ug/l	98
94) Hexachlorobutadiene	14.98	225	15297	21.462	ug/l	99
95) Naphthalene	15.10	128	92592	17.697	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	33540	18.714	ug/l	100

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

