

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061920\
 Data File : VN061971.D
 Acq On : 20 Jun 2020 2:51
 Operator : JC/MD
 Sample : VN0619WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS02

Manual Integrations
 APPROVED

MMDadoda
 6/22/2020 10:30:08 AM

Quant Time: Jun 22 02:51:57 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	130046	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.54	114	249502	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	232745	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	104363	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	106311	60.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.90%	
35) Dibromofluoromethane	7.54	113	86614	54.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.52%	
50) Toluene-d8	10.06	98	314711	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
62) 4-Bromofluorobenzene	12.37	95	105006	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	28991	17.325	ug/l	98
3) Chloromethane	2.03	50	38875	21.536	ug/l	99
4) Vinyl Chloride	2.16	62	44142	20.513	ug/l	99
5) Bromomethane	2.53	94	34151	20.666	ug/l	98
6) Chloroethane	2.67	64	30742	21.108	ug/l	99
7) Trichlorofluoromethane	2.98	101	50370	19.596	ug/l	94
8) Diethyl Ether	3.37	74	21525	24.909	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	24658	18.699	ug/l	98
10) Methyl Iodide	3.91	142	33469	24.111	ug/l	99
11) Tert butyl alcohol	4.72	59	27167	112.563	ug/l #	91
12) 1,1-Dichloroethene	3.70	96	26658	20.175	ug/l	97
13) Acrolein	3.56	56	11491	79.661	ug/l	99
14) Allyl chloride	4.27	41	38364	21.876	ug/l	98
15) Acrylonitrile	4.92	53	75748	126.664	ug/l	99
16) Acetone	3.77	43	58458	113.471	ug/l	98
17) Carbon Disulfide	4.00	76	73790	19.086	ug/l	100
18) Methyl Acetate	4.27	43	36713	24.752	ug/l	99
19) Methyl tert-butyl Ether	4.98	73	108258	24.607	ug/l	98
20) Methylene Chloride	4.50	84	38003	22.642	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	32365	21.325	ug/l	98
22) Diisopropyl ether	5.89	45	96857	24.149	ug/l	93
23) Vinyl Acetate	5.84	43	381750	121.018	ug/l	99
24) 1,1-Dichloroethane	5.79	63	59994	22.850	ug/l	100
25) 2-Butanone	6.78	43	91128	121.238	ug/l	98
26) 2,2-Dichloropropane	6.77	77	36172	16.375	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	40464	23.107	ug/l	98
28) Bromochloromethane	7.14	49	25876	22.135	ug/l	95
29) Tetrahydrofuran	7.16	42	58699	118.664	ug/l	99
30) Chloroform	7.32	83	62957	22.437	ug/l	99
31) Cyclohexane	7.61	56	39999	17.403	ug/l	96
32) 1,1,1-Trichloroethane	7.52	97	47815	20.009	ug/l	98
36) 1,1-Dichloropropene	7.74	75	40014	17.583	ug/l	99
37) Ethyl Acetate	6.88	43	39446	22.197	ug/l	99
38) Carbon Tetrachloride	7.73	117	39025	17.317	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	37809	15.429	ug/l	98
40) Benzene	8.00	78	139582	20.248	ug/l	99
41) Methacrylonitrile	7.13	41	19680	25.897	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	51096	21.738	ug/l	99
43) Isopropyl Acetate	8.12	43	66751	22.288	ug/l	99
44) Trichloroethene	8.80	130	34621	19.083	ug/l	99
45) 1,2-Dichloropropane	9.08	63	37027	21.856	ug/l	98
46) Dibromomethane	9.17	93	26148	21.918	ug/l	96
47) Bromodichloromethane	9.36	83	51483	21.075	ug/l	100
48) Methyl methacrylate	9.17	41	29409	21.593	ug/l	99
49) 1,4-Dioxane	9.17	88	13734	439.220	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	195980	110.737	ug/l	99
52) Toluene	10.12	92	88085	20.345	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	53209	20.518	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	57829	20.531	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	38285	22.475	ug/l	97
56) Ethyl methacrylate	10.40	69	51067	21.390	ug/l	100
57) 1,3-Dichloropropane	10.68	76	64453	22.334	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	93026	103.476	ug/l	100
59) 2-Hexanone	10.72	43	135827	104.321	ug/l	98
60) Dibromochloromethane	10.87	129	40138	21.117	ug/l	100
61) 1,2-Dibromoethane	10.98	107	38292	21.528	ug/l	100
64) Tetrachloroethene	10.60	164	26656	17.969	ug/l	95
65) Chlorobenzene	11.40	112	94257	19.193	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	35650	20.814	ug/l	99
67) Ethyl Benzene	11.48	91	153471	18.638	ug/l	99
68) m/p-Xylenes	11.59	106	118293	37.256	ug/l	100
69) o-Xylene	11.92	106	57692	19.043	ug/l	97
70) Styrene	11.94	104	98447	19.408	ug/l	100
71) Bromoform	12.10	173	26012	20.828	ug/l #	99
73) Isopropylbenzene	12.22	105	141925	19.137	ug/l	100
74) N-amyl acetate	12.04	43	52860	21.540	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	53506	22.191	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	42657m	20.819	ug/l	
77) Bromobenzene	12.50	156	39279	20.994	ug/l	98
78) n-propylbenzene	12.56	91	156267	18.467	ug/l	100
79) 2-Chlorotoluene	12.65	91	99792	19.635	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	118375	19.293	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	14904	19.840	ug/l	98
82) 4-Chlorotoluene	12.75	91	100394	19.117	ug/l	100
83) tert-Butylbenzene	12.97	119	96612	18.574	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	118427	19.553	ug/l	99
85) sec-Butylbenzene	13.15	105	122653	18.015	ug/l	100
86) p-Isopropyltoluene	13.26	119	111876	18.441	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	64700	18.960	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	66440	19.021	ug/l	99
89) n-Butylbenzene	13.59	91	85620	16.899	ug/l	99
90) Hexachloroethane	13.85	117	21190	19.081	ug/l	95
91) 1,2-Dichlorobenzene	13.62	146	65192	19.844	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	8702	22.231	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	27780	17.920	ug/l	98
94) Hexachlorobutadiene	14.98	225	10782	17.659	ug/l	97
95) Naphthalene	15.10	128	88223	19.294	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	29932	19.496	ug/l	95

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

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