

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042820\
 Data File : VN061160.D
 Acq On : 28 Apr 2020 13:45
 Operator : JC/MD
 Sample : VN0428WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0428WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/29/2020 2:58:09 PM

Quant Time: Apr 29 08:30:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 02:20:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	115549	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	198940	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	185064	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	88228	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	92595	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
35) Dibromofluoromethane	7.54	113	61140	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
50) Toluene-d8	10.06	98	243553	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
62) 4-Bromofluorobenzene	12.37	95	91260	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	23889	19.496	ug/l	98
3) Chloromethane	2.03	50	27597	18.596	ug/l	97
4) Vinyl Chloride	2.16	62	30537	18.117	ug/l	99
5) Bromomethane	2.54	94	15639	18.770	ug/l	93
6) Chloroethane	2.67	64	19465	18.220	ug/l	93
7) Trichlorofluoromethane	2.99	101	38321	20.151	ug/l	95
8) Diethyl Ether	3.37	74	15016	18.931	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	23520	19.198	ug/l	99
10) Methyl Iodide	3.91	142	31500	20.007	ug/l	97
11) Tert butyl alcohol	4.73	59	20126	82.174	ug/l	98
12) 1,1-Dichloroethene	3.69	96	22420	18.390	ug/l	99
13) Acrolein	3.56	56	12208	74.797	ug/l	94
14) Allyl chloride	4.27	41	47104	20.838	ug/l	99
15) Acrylonitrile	4.93	53	65062	86.537	ug/l	99
16) Acetone	3.77	43	56098	75.478	ug/l	100
17) Carbon Disulfide	4.01	76	64986	19.297	ug/l	98
18) Methyl Acetate	4.27	43	37346	16.641	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	84856	18.215	ug/l	98
20) Methylene Chloride	4.50	84	26226	18.396	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	25534	19.234	ug/l	96
22) Diisopropyl ether	5.90	45	96536	18.416	ug/l	95
23) Vinyl Acetate	5.84	43	382741	90.682	ug/l	100
24) 1,1-Dichloroethane	5.80	63	51011	18.625	ug/l	98
25) 2-Butanone	6.78	43	89231	82.477	ug/l	99
26) 2,2-Dichloropropane	6.77	77	46413	20.120	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	28869	18.531	ug/l	98
28) Bromochloromethane	7.15	49	25369	19.543	ug/l	99
29) Tetrahydrofuran	7.16	42	61702	84.664	ug/l	99
30) Chloroform	7.33	83	50432	18.171	ug/l	99
31) Cyclohexane	7.61	56	49171	18.487	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	44613	18.459	ug/l	100
36) 1,1-Dichloropropene	7.75	75	38050	19.106	ug/l	100
37) Ethyl Acetate	6.88	43	39860	17.073	ug/l	100
38) Carbon Tetrachloride	7.73	117	30840	19.365	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	43554	19.268	ug/l	99
40) Benzene	8.00	78	109660	18.483	ug/l	99
41) Methacrylonitrile	7.12	41	16963	17.499	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	42936	19.102	ug/l	99
43) Isopropyl Acetate	8.12	43	68399	17.653	ug/l	99
44) Trichloroethene	8.80	130	29229	18.224	ug/l	100
45) 1,2-Dichloropropane	9.09	63	28996	18.293	ug/l	99
46) Dibromomethane	9.17	93	18554	18.905	ug/l	99
47) Bromodichloromethane	9.37	83	39813	18.900	ug/l	100
48) Methyl methacrylate	9.17	41	30319	17.341	ug/l	96
49) 1,4-Dioxane	9.16	88	7195	362.522	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	196991	86.373	ug/l	100
52) Toluene	10.12	92	66772	18.684	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	44625	18.800	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	47073	18.759	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	26043	18.270	ug/l	97
56) Ethyl methacrylate	10.40	69	39241	17.663	ug/l	99
57) 1,3-Dichloropropane	10.68	76	46927	18.729	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	99487	86.224	ug/l	100
59) 2-Hexanone	10.72	43	143163	86.282	ug/l	100
60) Dibromochloromethane	10.87	129	27532	18.442	ug/l	99
61) 1,2-Dibromoethane	10.98	107	26308	18.414	ug/l	100
64) Tetrachloroethene	10.60	164	29472	18.387	ug/l	99
65) Chlorobenzene	11.41	112	68863	18.758	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	24860	18.921	ug/l	99
67) Ethyl Benzene	11.48	91	130724	19.022	ug/l	99
68) m/p-Xylenes	11.59	106	95301	37.887	ug/l	98
69) o-Xylene	11.92	106	44867	18.569	ug/l	96
70) Styrene	11.94	104	74998	18.545	ug/l	99
71) Bromoform	12.10	173	17359	17.977	ug/l #	98
73) Isopropylbenzene	12.22	105	124097	19.133	ug/l	99
74) N-amyl acetate	12.04	43	58137	17.701	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	36979	18.284	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	35474m	19.071	ug/l	
77) Bromobenzene	12.50	156	28580	19.088	ug/l	98
78) n-propylbenzene	12.56	91	147587	19.184	ug/l	99
79) 2-Chlorotoluene	12.65	91	86344	19.095	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	103899	19.354	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	12972	17.710	ug/l	98
82) 4-Chlorotoluene	12.75	91	89681	18.817	ug/l	99
83) tert-Butylbenzene	12.97	119	86763	19.168	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	105544	19.083	ug/l	100
85) sec-Butylbenzene	13.15	105	118759	19.243	ug/l	100
86) p-Isopropyltoluene	13.26	119	107261	19.290	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	51786	18.788	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	52593	18.675	ug/l	98
89) n-Butylbenzene	13.59	91	99356	19.491	ug/l	100
90) Hexachloroethane	13.85	117	9102	20.926	ug/l	94
91) 1,2-Dichlorobenzene	13.63	146	50120	18.964	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	7491	17.538	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	30762	19.114	ug/l	100
94) Hexachlorobutadiene	14.99	225	14191	21.107	ug/l	94
95) Naphthalene	15.10	128	91068	17.375	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	29093	18.310	ug/l	99

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

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