

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042020\
 Data File : VN061121.D
 Acq On : 20 Apr 2020 23:47
 Operator : JC/MD
 Sample : VN0420WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBSD02

Manual Integrations
 APPROVED

MMDadoda
 4/21/2020 12:02:54 PM

Quant Time: Apr 21 06:52:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	159273	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	269540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	243489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	110928	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	94748	46.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.00%	
35) Dibromofluoromethane	7.56	113	73256	46.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.08%	
50) Toluene-d8	10.08	98	263802	44.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.70%	
62) 4-Bromofluorobenzene	12.39	95	101448	43.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.04%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	36217	17.443	ug/l	100
3) Chloromethane	2.04	50	48469	17.158	ug/l	100
4) Vinyl Chloride	2.17	62	42234	17.991	ug/l	99
5) Bromomethane	2.55	94	21411	18.188	ug/l	97
6) Chloroethane	2.69	64	24335	17.970	ug/l	100
7) Trichlorofluoromethane	3.00	101	53695	18.373	ug/l	99
8) Diethyl Ether	3.38	74	21014	18.091	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	30134	17.574	ug/l	100
10) Methyl Iodide	3.93	142	28328	18.727	ug/l	97
11) Tert butyl alcohol	4.72	59	34732	96.062	ug/l	100
12) 1,1-Dichloroethene	3.72	96	31048	17.813	ug/l	98
13) Acrolein	3.58	56	19474	63.791	ug/l	100
14) Allyl chloride	4.29	41	55024	16.685	ug/l	99
15) Acrylonitrile	4.94	53	93632	95.512	ug/l	98
16) Acetone	3.78	43	76902	85.738	ug/l	98
17) Carbon Disulfide	4.03	76	94327	17.295	ug/l	100
18) Methyl Acetate	4.29	43	55192	19.623	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	110318	18.152	ug/l	99
20) Methylene Chloride	4.52	84	35337	18.045	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	33721	18.089	ug/l	98
22) Diisopropyl ether	5.91	45	123407	18.018	ug/l	98
23) Vinyl Acetate	5.86	43	476465	88.712	ug/l	100
24) 1,1-Dichloroethane	5.82	63	67039	18.123	ug/l	100
25) 2-Butanone	6.80	43	126395	91.961	ug/l	100
26) 2,2-Dichloropropane	6.79	77	48017	15.590	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	38751	18.106	ug/l	98
28) Bromochloromethane	7.17	49	30809	18.144	ug/l	99
29) Tetrahydrofuran	7.18	42	86665	92.880	ug/l	99
30) Chloroform	7.35	83	63232	18.326	ug/l	100
31) Cyclohexane	7.63	56	64977	17.117	ug/l	95
32) 1,1,1-Trichloroethane	7.54	97	54487	18.257	ug/l	99
36) 1,1-Dichloropropene	7.77	75	49193	17.686	ug/l	99
37) Ethyl Acetate	6.89	43	54552	18.063	ug/l	99
38) Carbon Tetrachloride	7.75	117	42136	18.200	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	56339	16.942	ug/l	98
40) Benzene	8.02	78	146744	17.784	ug/l	99
41) Methacrylonitrile	7.14	41	22280m	17.687	ug/l	
42) 1,2-Dichloroethane	8.10	62	51972	18.489	ug/l	100
43) Isopropyl Acetate	8.14	43	88448	18.007	ug/l	99
44) Trichloroethene	8.82	130	36766	17.732	ug/l	99
45) 1,2-Dichloropropane	9.10	63	39371	17.665	ug/l	99
46) Dibromomethane	9.19	93	23733	18.469	ug/l	99
47) Bromodichloromethane	9.38	83	49653	18.291	ug/l	98
48) Methyl methacrylate	9.18	41	38569	17.768	ug/l	99
49) 1,4-Dioxane	9.18	88	11057	375.549	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	263998	93.234	ug/l	100
52) Toluene	10.14	92	87105	17.596	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	55498	17.600	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	60151	17.483	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	34958	18.661	ug/l	99
56) Ethyl methacrylate	10.42	69	52720	17.897	ug/l	98
57) 1,3-Dichloropropane	10.70	76	60377	18.069	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	118429	88.476	ug/l	100
59) 2-Hexanone	10.74	43	189857	92.973	ug/l	100
60) Dibromochloromethane	10.89	129	34911	18.142	ug/l	99
61) 1,2-Dibromoethane	10.99	107	34313	17.975	ug/l	99
64) Tetrachloroethene	10.62	164	34635	18.589	ug/l	99
65) Chlorobenzene	11.42	112	88459	17.598	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	32621	18.140	ug/l	100
67) Ethyl Benzene	11.50	91	167606	17.727	ug/l	99
68) m/p-Xylenes	11.61	106	121423	35.534	ug/l	99
69) o-Xylene	11.94	106	58299	17.745	ug/l	100
70) Styrene	11.96	104	94321	17.833	ug/l	99
71) Bromoform	12.12	173	24204	18.031	ug/l #	100
73) Isopropylbenzene	12.24	105	158286	17.811	ug/l	100
74) N-amyl acetate	12.06	43	71994	17.420	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	49868	18.382	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	48235m	19.769	ug/l	
77) Bromobenzene	12.52	156	36804	17.737	ug/l	100
78) n-propylbenzene	12.58	91	186071	17.896	ug/l	100
79) 2-Chlorotoluene	12.67	91	108794	17.840	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	130718	17.795	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	16122	16.298	ug/l	98
82) 4-Chlorotoluene	12.77	91	113432	17.935	ug/l	100
83) tert-Butylbenzene	12.99	119	111336	18.022	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	130801	18.014	ug/l	99
85) sec-Butylbenzene	13.17	105	150851	18.022	ug/l	99
86) p-Isopropyltoluene	13.28	119	131055	17.583	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	65856	17.809	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	65304	17.554	ug/l	99
89) n-Butylbenzene	13.61	91	118026	17.028	ug/l	100
90) Hexachloroethane	13.87	117	20246	17.704	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	64182	18.185	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	10249	19.521	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	37244	17.829	ug/l	98
94) Hexachlorobutadiene	15.01	225	18289	17.019	ug/l	98
95) Naphthalene	15.13	128	111568	18.313	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	35958	17.862	ug/l	98

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

