

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070120\
 Data File : VN062312.D
 Acq On : 2 Jul 2020 1:08
 Operator : JC/MD
 Sample : VN0701WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBS02

Manual Integrations
 APPROVED

MMDadoda
 7/2/2020 12:31:10 PM

Quant Time: Jul 02 08:05:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	188450	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	356627	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	331808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	143926	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	156267	59.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.18%	
35) Dibromofluoromethane	7.55	113	118397	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
50) Toluene-d8	10.06	98	458135	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.38	95	151479	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	38832	18.230	ug/l	99
3) Chloromethane	2.03	50	56802	21.899	ug/l	99
4) Vinyl Chloride	2.16	62	65323	19.473	ug/l	98
5) Bromomethane	2.53	94	41513	19.148	ug/l	99
6) Chloroethane	2.67	64	46369	20.235	ug/l	97
7) Trichlorofluoromethane	2.98	101	73974	17.897	ug/l	100
8) Diethyl Ether	3.37	74	31974	22.153	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	41722	19.275	ug/l	97
10) Methyl Iodide	3.91	142	47145	19.340	ug/l	98
11) Tert butyl alcohol	4.73	59	45703	120.365	ug/l #	81
12) 1,1-Dichloroethene	3.70	96	44843	20.724	ug/l	98
13) Acrolein	3.56	56	34923	93.941	ug/l	100
14) Allyl chloride	4.27	41	67144	22.791	ug/l	94
15) Acrylonitrile	4.93	53	125649	121.434	ug/l	99
16) Acetone	3.78	43	100165	118.536	ug/l	99
17) Carbon Disulfide	4.01	76	121351	19.610	ug/l	98
18) Methyl Acetate	4.28	43	52254	24.856	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	158069	22.861	ug/l	99
20) Methylene Chloride	4.50	84	59245	24.292	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	48397	19.633	ug/l	89
22) Diisopropyl ether	5.90	45	161459	24.070	ug/l	94
23) Vinyl Acetate	5.84	43	637684	116.437	ug/l	100
24) 1,1-Dichloroethane	5.80	63	99622	23.063	ug/l	96
25) 2-Butanone	6.79	43	151489	117.194	ug/l	96
26) 2,2-Dichloropropane	6.77	77	60672	16.856	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	58117	20.952	ug/l	98
28) Bromochloromethane	7.15	49	37106	19.799	ug/l	89
29) Tetrahydrofuran	7.17	42	103935	122.747	ug/l	97
30) Chloroform	7.33	83	97275	22.134	ug/l	100
31) Cyclohexane	7.62	56	73841	20.210	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	76667	20.686	ug/l	97
36) 1,1-Dichloropropene	7.75	75	67311	18.778	ug/l	97
37) Ethyl Acetate	6.88	43	68049	22.925	ug/l	97
38) Carbon Tetrachloride	7.73	117	61568	18.218	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	65610	16.705	ug/l	97
40) Benzene	8.00	78	219741	20.112	ug/l	98
41) Methacrylonitrile	7.13	41	27860	20.246	ug/l #	76
42) 1,2-Dichloroethane	8.09	62	77576	21.015	ug/l	99
43) Isopropyl Acetate	8.13	43	104649	21.627	ug/l	99
44) Trichloroethene	8.80	130	48810	17.710	ug/l	94
45) 1,2-Dichloropropane	9.09	63	57332	21.270	ug/l	98
46) Dibromomethane	9.18	93	38373	20.997	ug/l	93
47) Bromodichloromethane	9.37	83	76839	20.823	ug/l	100
48) Methyl methacrylate	9.17	41	49329	22.737	ug/l	92
49) 1,4-Dioxane	9.17	88	20874	433.855	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	326059	115.334	ug/l	99
52) Toluene	10.12	92	133383	20.008	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	79032	19.467	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	86575	20.030	ug/l	99
55) 1,1,2-Trichloroethane	10.54	97	55493	21.176	ug/l	99
56) Ethyl methacrylate	10.40	69	72427	20.710	ug/l	96
57) 1,3-Dichloropropane	10.68	76	94915	21.043	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	124122	94.096	ug/l	97
59) 2-Hexanone	10.72	43	233164	114.216	ug/l	97
60) Dibromochloromethane	10.87	129	54650	19.698	ug/l	99
61) 1,2-Dibromoethane	10.98	107	54241	20.144	ug/l	99
64) Tetrachloroethene	10.60	164	38284	16.891	ug/l	94
65) Chlorobenzene	11.41	112	136966	18.797	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	49746	19.743	ug/l	99
67) Ethyl Benzene	11.48	91	234880	19.086	ug/l	99
68) m/p-Xylenes	11.60	106	177612	37.315	ug/l	97
69) o-Xylene	11.92	106	85655	19.073	ug/l	96
70) Styrene	11.94	104	143103	19.107	ug/l	98
71) Bromoform	12.10	173	33567	18.737	ug/l #	99
73) Isopropylbenzene	12.22	105	220017	19.748	ug/l	99
74) N-amyl acetate	12.05	43	81287	21.838	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.48	83	83900	22.630	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	69307m	20.456	ug/l	
77) Bromobenzene	12.50	156	55114	19.926	ug/l	92
78) n-propylbenzene	12.57	91	255266	20.031	ug/l	98
79) 2-Chlorotoluene	12.65	91	158292	20.546	ug/l	96
80) 1,3,5-Trimethylbenzene	12.71	105	182934	20.255	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	22092	19.042	ug/l	91
82) 4-Chlorotoluene	12.75	91	160198	20.108	ug/l	99
83) tert-Butylbenzene	12.97	119	147518	19.086	ug/l	95
84) 1,2,4-Trimethylbenzene	13.01	105	182920	20.279	ug/l	98
85) sec-Butylbenzene	13.15	105	204485	20.022	ug/l	98
86) p-Isopropyltoluene	13.26	119	173660	19.408	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	93789	19.310	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	92675	18.510	ug/l	98
89) n-Butylbenzene	13.59	91	137389	18.468	ug/l	98
90) Hexachloroethane	13.85	117	33865	19.290	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	90835	19.286	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	12821	21.587	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	35877	17.437	ug/l	96
94) Hexachlorobutadiene	14.99	225	15925	17.820	ug/l	98
95) Naphthalene	15.10	128	101623	17.625	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	37599	17.872	ug/l	100

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

