

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050120\
 Data File : VN061223.D
 Acq On : 1 May 2020 12:15
 Operator : JC/MD
 Sample : VN0501WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 2:57:58 PM

Quant Time: May 04 01:38:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 29 08:14:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	125358	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	212809	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	193941	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	90498	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	94242	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	
35) Dibromofluoromethane	7.54	113	60927	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
50) Toluene-d8	10.06	98	261407	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
62) 4-Bromofluorobenzene	12.38	95	95395	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	23797	17.902	ug/l	98
3) Chloromethane	2.03	50	33310	20.690	ug/l	99
4) Vinyl Chloride	2.16	62	32307	17.667	ug/l	100
5) Bromomethane	2.54	94	13674	15.128	ug/l	99
6) Chloroethane	2.67	64	19050	16.436	ug/l	98
7) Trichlorofluoromethane	2.98	101	39568	19.179	ug/l	95
8) Diethyl Ether	3.37	74	17773	20.654	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.71	101	25319	19.050	ug/l	99
10) Methyl Iodide	3.91	142	30031	17.582	ug/l	97
11) Tert butyl alcohol	4.72	59	22917	86.248	ug/l	97
12) 1,1-Dichloroethene	3.70	96	24667	18.650	ug/l	95
13) Acrolein	3.56	56	13295	75.083	ug/l	96
14) Allyl chloride	4.27	41	54930	22.399	ug/l	91
15) Acrylonitrile	4.92	53	80153	98.267	ug/l	98
16) Acetone	3.77	43	69792	87.384	ug/l	96
17) Carbon Disulfide	4.01	76	66301	18.147	ug/l	99
18) Methyl Acetate	4.27	43	43790	17.930	ug/l	95
19) Methyl tert-butyl Ether	4.99	73	89902	17.789	ug/l	99
20) Methylene Chloride	4.50	84	29093	18.810	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	26390	18.324	ug/l	94
22) Diisopropyl ether	5.90	45	112144	19.720	ug/l	99
23) Vinyl Acetate	5.84	43	431212	94.172	ug/l	99
24) 1,1-Dichloroethane	5.79	63	55687	18.742	ug/l	99
25) 2-Butanone	6.78	43	105754	90.101	ug/l	100
26) 2,2-Dichloropropane	6.78	77	45956	18.363	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	30390	17.981	ug/l	98
28) Bromochloromethane	7.15	49	30047	21.335	ug/l	94
29) Tetrahydrofuran	7.16	42	72272	91.408	ug/l	97
30) Chloroform	7.33	83	52638	17.481	ug/l	99
31) Cyclohexane	7.61	56	51344	17.793	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	43576	16.619	ug/l	99
36) 1,1-Dichloropropene	7.75	75	39202	18.402	ug/l	99
37) Ethyl Acetate	6.88	43	46808	18.742	ug/l	100
38) Carbon Tetrachloride	7.73	117	31018	17.515	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	43411	18.171	ug/l	97
40) Benzene	8.00	78	118345	18.647	ug/l	100
41) Methacrylonitrile	7.12	41	20617	19.883	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	43413	18.056	ug/l	100
43) Isopropyl Acetate	8.12	43	75652	18.252	ug/l	99
44) Trichloroethene	8.80	130	29294	17.074	ug/l	99
45) 1,2-Dichloropropane	9.08	63	32585	19.217	ug/l	99
46) Dibromomethane	9.17	93	18963	18.062	ug/l	97
47) Bromodichloromethane	9.37	83	40396	17.927	ug/l	99
48) Methyl methacrylate	9.17	41	33025	17.657	ug/l	99
49) 1,4-Dioxane	9.17	88	7389	348.034	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	223528	91.622	ug/l	99
52) Toluene	10.12	92	70211	18.366	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	45754	18.020	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	49044	18.270	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	27173	17.820	ug/l	98
56) Ethyl methacrylate	10.40	69	41419	17.465	ug/l	96
57) 1,3-Dichloropropane	10.68	76	50144	18.709	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	115638	93.690	ug/l	97
59) 2-Hexanone	10.72	43	157922	88.974	ug/l	100
60) Dibromochloromethane	10.87	129	27422	17.171	ug/l	98
61) 1,2-Dibromoethane	10.98	107	27626	18.076	ug/l	99
64) Tetrachloroethene	10.60	164	29528	17.579	ug/l	98
65) Chlorobenzene	11.41	112	70456	18.314	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	25182	18.289	ug/l	98
67) Ethyl Benzene	11.49	91	132682	18.423	ug/l	98
68) m/p-Xylenes	11.60	106	96225	36.503	ug/l	97
69) o-Xylene	11.92	106	45317	17.897	ug/l	97
70) Styrene	11.94	104	75606	17.840	ug/l	99
71) Bromoform	12.10	173	17999	17.786	ug/l #	97
73) Isopropylbenzene	12.22	105	123696	18.593	ug/l	99
74) N-amyl acetate	12.05	43	60079	17.833	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	39210	18.901	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	35660m	18.690	ug/l	
77) Bromobenzene	12.50	156	28414	18.501	ug/l	98
78) n-propylbenzene	12.57	91	148463	18.814	ug/l	100
79) 2-Chlorotoluene	12.65	91	87953	18.963	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	105216	19.108	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	13397	17.831	ug/l	100
82) 4-Chlorotoluene	12.75	91	90431	18.499	ug/l	99
83) tert-Butylbenzene	12.97	119	84993	18.306	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	104532	18.426	ug/l	99
85) sec-Butylbenzene	13.15	105	118382	18.701	ug/l	99
86) p-Isopropyltoluene	13.26	119	105648	18.524	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	51686	18.281	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	52179	18.063	ug/l	98
89) n-Butylbenzene	13.59	91	96038	18.368	ug/l	99
90) Hexachloroethane	13.85	117	10709	22.882	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	50349	18.573	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	7686	17.543	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	29214	17.697	ug/l	98
94) Hexachlorobutadiene	14.98	225	13638	19.775	ug/l	98
95) Naphthalene	15.11	128	86697	16.126	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	28920	17.744	ug/l	99

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

