

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030420\
 Data File : VN060340.D
 Acq On : 4 Mar 2020 11:25
 Operator : JC/MD
 Sample : VN0304WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0304WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:46:12 PM

Quant Time: Mar 05 05:53:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	207481	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	336413	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	308750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148024	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	130933	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
35) Dibromofluoromethane	7.56	113	88867	56.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.82%	
50) Toluene-d8	10.08	98	384175	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
62) 4-Bromofluorobenzene	12.40	95	143240	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	31490	16.554	ug/l	99
3) Chloromethane	2.04	50	56425	17.037	ug/l	97
4) Vinyl Chloride	2.16	62	45898	16.159	ug/l	98
5) Bromomethane	2.54	94	17776	13.808	ug/l	96
6) Chloroethane	2.68	64	25473	16.552	ug/l	97
7) Trichlorofluoromethane	3.00	101	61415	16.924	ug/l	98
8) Diethyl Ether	3.38	74	23704	17.300	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	35397	17.235	ug/l	100
10) Methyl Iodide	3.92	142	30991	16.534	ug/l	98
11) Tert butyl alcohol	4.73	59	35394	89.543	ug/l #	83
12) 1,1-Dichloroethene	3.72	96	35573	17.796	ug/l	97
13) Acrolein	3.57	56	35985	97.585	ug/l	98
14) Allyl chloride	4.29	41	59228	16.115	ug/l	90
15) Acrylonitrile	4.94	53	93733	89.966	ug/l	99
16) Acetone	3.78	43	78924	91.810	ug/l	98
17) Carbon Disulfide	4.03	76	90836	16.703	ug/l	99
18) Methyl Acetate	4.29	43	47514	16.562	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	131177	18.125	ug/l	98
20) Methylene Chloride	4.52	84	40224	17.038	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	38076	17.502	ug/l	94
22) Diisopropyl ether	5.91	45	137211	18.431	ug/l	98
23) Vinyl Acetate	5.86	43	538636	91.052	ug/l	100
24) 1,1-Dichloroethane	5.82	63	76541	18.163	ug/l	98
25) 2-Butanone	6.80	43	126932	91.415	ug/l	99
26) 2,2-Dichloropropane	6.79	77	67553	17.608	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	46399	16.949	ug/l	99
28) Bromochloromethane	7.17	49	31578	18.251	ug/l	100
29) Tetrahydrofuran	7.18	42	86679	89.771	ug/l	99
30) Chloroform	7.35	83	76355	18.201	ug/l	98
31) Cyclohexane	7.63	56	67629	17.946	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	67674	18.207	ug/l	99
36) 1,1-Dichloropropene	7.77	75	56320	17.566	ug/l	98
37) Ethyl Acetate	6.90	43	55254	18.200	ug/l	99
38) Carbon Tetrachloride	7.75	117	55070	17.642	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	65598	17.353	ug/l	97
40) Benzene	8.02	78	167039	17.900	ug/l	99
41) Methacrylonitrile	7.14	41	24462	17.451	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	61486	18.259	ug/l	99
43) Isopropyl Acetate	8.14	43	98636	18.559	ug/l	99
44) Trichloroethene	8.82	130	46816	18.013	ug/l	99
45) 1,2-Dichloropropane	9.10	63	46035	18.868	ug/l	99
46) Dibromomethane	9.19	93	28832	18.212	ug/l	98
47) Bromodichloromethane	9.39	83	59507	18.482	ug/l	98
48) Methyl methacrylate	9.18	41	42690	17.614	ug/l	99
49) 1,4-Dioxane	9.18	88	12334	361.887	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	281389	93.380	ug/l	99
52) Toluene	10.14	92	105223	17.950	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	69718	17.671	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	73650	18.015	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	41436	17.578	ug/l	99
56) Ethyl methacrylate	10.42	69	60668	17.914	ug/l	97
57) 1,3-Dichloropropane	10.70	76	71388	18.570	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	161256	91.041	ug/l	99
59) 2-Hexanone	10.74	43	200076	90.430	ug/l	99
60) Dibromochloromethane	10.89	129	43801	18.271	ug/l	100
61) 1,2-Dibromoethane	11.00	107	41740	18.164	ug/l	100
64) Tetrachloroethene	10.62	164	49215	19.379	ug/l	99
65) Chlorobenzene	11.43	112	109873	17.624	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	42541	18.455	ug/l	100
67) Ethyl Benzene	11.50	91	203256	17.903	ug/l	100
68) m/p-Xylenes	11.62	106	151525	35.374	ug/l	99
69) o-Xylene	11.94	106	73303	17.946	ug/l	100
70) Styrene	11.96	104	116340	17.323	ug/l	99
71) Bromoform	12.12	173	30031	18.076	ug/l #	98
73) Isopropylbenzene	12.25	105	199731	18.205	ug/l	100
74) N-amyl acetate	12.06	43	83876	17.495	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	55359	18.563	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	49631m	15.282	ug/l	
77) Bromobenzene	12.52	156	47241	17.566	ug/l	98
78) n-propylbenzene	12.59	91	231222	17.979	ug/l	100
79) 2-Chlorotoluene	12.67	91	136475	18.053	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	168510	18.242	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	21038	17.882	ug/l #	85
82) 4-Chlorotoluene	12.77	91	140349	17.621	ug/l	99
83) tert-Butylbenzene	12.99	119	144734	18.097	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	168615	18.085	ug/l	100
85) sec-Butylbenzene	13.17	105	193448	18.063	ug/l	99
86) p-Isopropyltoluene	13.28	119	174081	17.562	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	85184	18.313	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	86103	18.522	ug/l	98
89) n-Butylbenzene	13.61	91	160191	17.604	ug/l	100
90) Hexachloroethane	13.87	117	23820	16.601	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	82770	17.564	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11889	17.604	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	52624	17.632	ug/l	99
94) Hexachlorobutadiene	15.01	225	26335	18.775	ug/l	99
95) Naphthalene	15.13	128	151622	17.012	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	51338	18.089	ug/l	99

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

