

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021920\
 Data File : VN060157.D
 Acq On : 19 Feb 2020 15:40
 Operator : JC/MD
 Sample : VN0219WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 11:48:35 AM

Quant Time: Feb 20 03:14:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	176287	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	282545	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	266425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	128071	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	107835	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
35) Dibromofluoromethane	7.57	113	87614	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
50) Toluene-d8	10.08	98	335043	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
62) 4-Bromofluorobenzene	12.40	95	119926	47.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.44%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	35240	19.999	ug/l 99
3) Chloromethane	2.04	50	42533	20.283	ug/l 99
4) Vinyl Chloride	2.17	62	47085	19.699	ug/l 100
5) Bromomethane	2.55	94	28554	19.483	ug/l 96
6) Chloroethane	2.69	64	23841	19.721	ug/l 98
7) Trichlorofluoromethane	3.00	101	60224	19.543	ug/l 98
8) Diethyl Ether	3.39	74	19989	19.486	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	33456	19.554	ug/l 98
10) Methyl Iodide	3.93	142	44545	20.898	ug/l 99
11) Tert butyl alcohol	4.73	59	33614	104.715	ug/l 100
12) 1,1-Dichloroethene	3.72	96	32997	19.798	ug/l 99
13) Acrolein	3.58	56	29555	93.147	ug/l 96
14) Allyl chloride	4.30	41	51791	21.112	ug/l 89
15) Acrylonitrile	4.95	53	84296	107.529	ug/l 98
16) Acetone	3.78	43	73986	79.071	ug/l 99
17) Carbon Disulfide	4.03	76	92345	18.382	ug/l 100
18) Methyl Acetate	4.29	43	41668	23.706	ug/l 98
19) Methyl tert-butyl Ether	5.01	73	111350	19.866	ug/l 100
20) Methylene Chloride	4.52	84	36652	19.634	ug/l 98
21) trans-1,2-Dichloroethene	5.01	96	35671	19.633	ug/l 93
22) Diisopropyl ether	5.92	45	106343	19.780	ug/l 99
23) Vinyl Acetate	5.86	43	443130	98.149	ug/l 99
24) 1,1-Dichloroethane	5.82	63	64483	19.799	ug/l 99
25) 2-Butanone	6.80	43	111160	94.460	ug/l 96
26) 2,2-Dichloropropane	6.80	77	56491	18.261	ug/l 99
27) cis-1,2-Dichloroethene	6.80	96	41860	19.687	ug/l 98
28) Bromochloromethane	7.17	49	23851	18.628	ug/l 97
29) Tetrahydrofuran	7.18	42	74812	103.627	ug/l 99
30) Chloroform	7.35	83	67894	19.900	ug/l 100
31) Cyclohexane	7.63	56	58965	19.435	ug/l 98
32) 1,1,1-Trichloroethane	7.55	97	61976	19.879	ug/l 99
36) 1,1-Dichloropropene	7.77	75	49540	18.930	ug/l 99
37) Ethyl Acetate	6.90	43	47254	19.979	ug/l 99
38) Carbon Tetrachloride	7.75	117	53765	18.917	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	59660	18.365	ug/l	96
40) Benzene	8.02	78	149316	19.234	ug/l	99
41) Methacrylonitrile	7.15	41	19434m	19.593	ug/l	
42) 1,2-Dichloroethane	8.10	62	53738	19.750	ug/l	100
43) Isopropyl Acetate	8.14	43	80647	19.947	ug/l	98
44) Trichloroethene	8.82	130	40658	18.914	ug/l	97
45) 1,2-Dichloropropane	9.10	63	38746	20.160	ug/l	97
46) Dibromomethane	9.19	93	26493	19.506	ug/l	98
47) Bromodichloromethane	9.39	83	53511	19.379	ug/l	98
48) Methyl methacrylate	9.18	41	34346	18.934	ug/l	98
49) 1,4-Dioxane	9.18	88	13568	437.759	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	240843	102.914	ug/l	100
52) Toluene	10.14	92	94981	19.079	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	59027	18.938	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	64063	19.519	ug/l	95
55) 1,1,2-Trichloroethane	10.55	97	37721	19.422	ug/l	98
56) Ethyl methacrylate	10.42	69	54036	19.668	ug/l	97
57) 1,3-Dichloropropane	10.70	76	62724	19.573	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	124110	96.966	ug/l	99
59) 2-Hexanone	10.74	43	177250	98.049	ug/l	98
60) Dibromochloromethane	10.89	129	42286	18.973	ug/l	98
61) 1,2-Dibromoethane	10.99	107	38577	18.948	ug/l	96
64) Tetrachloroethene	10.62	164	34869	17.216	ug/l	99
65) Chlorobenzene	11.43	112	101852	18.764	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	39235	19.107	ug/l	99
67) Ethyl Benzene	11.50	91	181629	18.553	ug/l	99
68) m/p-Xylenes	11.62	106	136058	37.030	ug/l	100
69) o-Xylene	11.94	106	65755	18.587	ug/l	99
70) Styrene	11.96	104	104662	18.346	ug/l	99
71) Bromoform	12.12	173	30810	18.655	ug/l #	99
73) Isopropylbenzene	12.24	105	176722	18.478	ug/l	99
74) N-amyl acetate	12.06	43	67309	19.518	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	56178	20.408	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	49145m	20.057	ug/l	
77) Bromobenzene	12.52	156	44959	18.943	ug/l	99
78) n-propylbenzene	12.59	91	200499	18.401	ug/l	99
79) 2-Chlorotoluene	12.67	91	118502	18.503	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	148919	18.728	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	18654	18.641	ug/l	98
82) 4-Chlorotoluene	12.77	91	121649	18.514	ug/l	98
83) tert-Butylbenzene	12.99	119	129489	18.408	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	147279	18.763	ug/l	100
85) sec-Butylbenzene	13.17	105	171077	18.364	ug/l	100
86) p-Isopropyltoluene	13.28	119	156150	18.500	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	77985	18.562	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	76035	18.102	ug/l	97
89) n-Butylbenzene	13.61	91	132208	17.808	ug/l	100
90) Hexachloroethane	13.87	117	29156	18.490	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	77564	18.865	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11478	19.134	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	44346	18.357	ug/l	98
94) Hexachlorobutadiene	15.00	225	24716	17.476	ug/l	99
95) Naphthalene	15.13	128	120219	18.422	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	45196	18.787	ug/l	98

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

