

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081220\
 Data File : VN062877.D
 Acq On : 13 Aug 2020 00:17
 Operator : JC/MD
 Sample : VN0812WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD02

Manual Integrations
 APPROVED

MMDadoda
 8/13/2020 10:56:07 AM

Quant Time: Aug 13 07:10:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	163371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	263370	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	246306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	114091	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	127753	47.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.58%	
35) Dibromofluoromethane	7.55	113	90100	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
50) Toluene-d8	10.06	98	340909	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
62) 4-Bromofluorobenzene	12.38	95	122267	46.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	45631	19.505	ug/l	100
3) Chloromethane	2.03	50	50241	22.758	ug/l	98
4) Vinyl Chloride	2.16	62	48540	23.443	ug/l	98
5) Bromomethane	2.51	94	27872	20.334	ug/l	99
6) Chloroethane	2.66	64	29523	21.673	ug/l	97
7) Trichlorofluoromethane	2.98	101	70280	19.035	ug/l	98
8) Diethyl Ether	3.37	74	20769	19.649	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	29704	19.410	ug/l	97
10) Methyl Iodide	3.91	142	35221	19.681	ug/l	98
11) Tert butyl alcohol	4.74	59	38293	86.481	ug/l #	89
12) 1,1-Dichloroethene	3.70	96	28176	19.539	ug/l	92
13) Acrolein	3.57	56	16158	60.269	ug/l	99
14) Allyl chloride	4.27	41	49407	17.273	ug/l	96
15) Acrylonitrile	4.93	53	100353	97.714	ug/l	99
16) Acetone	3.78	43	86873	88.990	ug/l	99
17) Carbon Disulfide	4.01	76	72242	17.689	ug/l	99
18) Methyl Acetate	4.28	43	48453	20.315	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	120119	18.977	ug/l	100
20) Methylene Chloride	4.50	84	35788	19.570	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	30660	18.754	ug/l	98
22) Diisopropyl ether	5.90	45	121240	19.912	ug/l	96
23) Vinyl Acetate	5.85	43	405756	87.611	ug/l	98
24) 1,1-Dichloroethane	5.80	63	67956	19.045	ug/l	98
25) 2-Butanone	6.79	43	129124	93.392	ug/l	98
26) 2,2-Dichloropropane	6.78	77	37852	11.508	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	36973	18.852	ug/l	91
28) Bromochloromethane	7.15	49	32565	18.910	ug/l	100
29) Tetrahydrofuran	7.17	42	85045	94.680	ug/l	100
30) Chloroform	7.33	83	71504	18.856	ug/l	99
31) Cyclohexane	7.62	56	60580	18.495	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	60678	17.897	ug/l	97
36) 1,1-Dichloropropene	7.75	75	47158	18.389	ug/l	98
37) Ethyl Acetate	6.89	43	48146	17.973	ug/l	100
38) Carbon Tetrachloride	7.73	117	54476	17.961	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	54130	17.539	ug/l	98
40) Benzene	8.00	78	139242	18.196	ug/l	100
41) Methacrylonitrile	7.13	41	22335	18.477	ug/l #	59
42) 1,2-Dichloroethane	8.09	62	58817	18.059	ug/l	99
43) Isopropyl Acetate	8.13	43	80189	17.947	ug/l #	89
44) Trichloroethene	8.80	130	34626	18.572	ug/l	100
45) 1,2-Dichloropropane	9.09	63	40141	19.381	ug/l	95
46) Dibromomethane	9.18	93	26244	19.339	ug/l	98
47) Bromodichloromethane	9.37	83	59196	19.422	ug/l	97
48) Methyl methacrylate	9.17	41	37681	17.145	ug/l	96
49) 1,4-Dioxane	9.17	88	15113	371.116	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	273590	94.635	ug/l	99
52) Toluene	10.13	92	87703	18.562	ug/l	98
53) t-1,3-Dichloropropene	10.36	75	57770	17.232	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	60949	18.107	ug/l	96
55) 1,1,2-Trichloroethane	10.54	97	40400	20.021	ug/l	92
56) Ethyl methacrylate	10.40	69	55263	18.194	ug/l	97
57) 1,3-Dichloropropane	10.68	76	63953	18.652	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.67	63	65921	76.781	ug/l	99
59) 2-Hexanone	10.72	43	198325	91.966	ug/l	100
60) Dibromochloromethane	10.87	129	44075	19.140	ug/l	100
61) 1,2-Dibromoethane	10.98	107	37834	19.001	ug/l	98
64) Tetrachloroethene	10.60	164	29622	18.640	ug/l	97
65) Chlorobenzene	11.41	112	95339	18.517	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	40057	19.374	ug/l	99
67) Ethyl Benzene	11.49	91	167498	18.179	ug/l	97
68) m/p-Xylenes	11.60	106	125017	37.379	ug/l	98
69) o-Xylene	11.92	106	60932	19.440	ug/l	96
70) Styrene	11.94	104	105125	19.081	ug/l	97
71) Bromoform	12.10	173	30697	18.146	ug/l #	98
73) Isopropylbenzene	12.23	105	168156	19.573	ug/l	99
74) N-amyl acetate	12.05	43	67751	19.460	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	60043	19.854	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	54897m	17.842	ug/l	
77) Bromobenzene	12.50	156	41918	19.637	ug/l	95
78) n-propylbenzene	12.57	91	192610	19.100	ug/l	99
79) 2-Chlorotoluene	12.65	91	120201	19.007	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	146723	19.686	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	16514	16.384	ug/l	97
82) 4-Chlorotoluene	12.75	91	123732	18.986	ug/l	98
83) tert-Butylbenzene	12.97	119	122122	19.364	ug/l	96
84) 1,2,4-Trimethylbenzene	13.02	105	144615	20.282	ug/l	100
85) sec-Butylbenzene	13.15	105	163445	19.735	ug/l	100
86) p-Isopropyltoluene	13.26	119	142306	19.358	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	71452	18.737	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	72325	18.910	ug/l	99
89) n-Butylbenzene	13.59	91	109634	17.634	ug/l	99
90) Hexachloroethane	13.85	117	29313	18.499	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	72837	20.373	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	11918	18.356	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	30868	18.331	ug/l	96
94) Hexachlorobutadiene	14.98	225	21411	18.039	ug/l	96
95) Naphthalene	15.11	128	78326	17.535	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	31282	18.365	ug/l	98

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

