

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111920\
 Data File : VN064726.D
 Acq On : 19 Nov 2020 12:19
 Operator : JC/MD
 Sample : VN1119WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/24/2020 3:11:15 PM

Quant Time: Nov 20 04:20:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 18 15:29:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	256457	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	445539	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	417208	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	192909	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	223171	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
35) Dibromofluoromethane	7.55	113	126145	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
50) Toluene-d8	10.06	98	568038	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
62) 4-Bromofluorobenzene	12.37	95	204442	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	57446	17.927	ug/l	98
3) Chloromethane	2.04	50	63994	18.060	ug/l	97
4) Vinyl Chloride	2.17	62	80149	21.678	ug/l	99
5) Bromomethane	2.54	94	55790	20.577	ug/l	99
6) Chloroethane	2.68	64	57418	23.017	ug/l	100
7) Trichlorofluoromethane	2.99	101	133481	20.157	ug/l	99
8) Diethyl Ether	3.37	74	46599	21.809	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	53164	18.577	ug/l	98
10) Methyl Iodide	3.91	142	59923	17.517	ug/l	97
11) Tert butyl alcohol	4.74	59	45266	103.421	ug/l	98
12) 1,1-Dichloroethene	3.69	96	51894	18.821	ug/l	99
13) Acrolein	3.57	56	13685	133.547	ug/l	98
14) Allyl chloride	4.28	41	88276	18.646	ug/l	97
15) Acrylonitrile	4.94	53	124711	97.036	ug/l	98
16) Acetone	3.78	43	105251	99.534	ug/l	94
17) Carbon Disulfide	4.01	76	147408	18.467	ug/l	100
18) Methyl Acetate	4.28	43	61826	19.511	ug/l	97
19) Methyl tert-butyl Ether	5.00	73	169440	18.366	ug/l	100
20) Methylene Chloride	4.50	84	62824	18.805	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	55940	18.183	ug/l	98
22) Diisopropyl ether	5.90	45	188616	18.866	ug/l	94
23) Vinyl Acetate	5.85	43	764941	94.804	ug/l	99
24) 1,1-Dichloroethane	5.80	63	109792	18.743	ug/l	99
25) 2-Butanone	6.79	43	169218	98.106	ug/l	98
26) 2,2-Dichloropropane	6.78	77	101385	18.215	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	62952	18.560	ug/l	99
28) Bromochloromethane	7.15	49	51357	17.389	ug/l	100
29) Tetrahydrofuran	7.17	42	113915	97.746	ug/l	99
30) Chloroform	7.33	83	121703	19.119	ug/l	93
31) Cyclohexane	7.62	56	87196	17.877	ug/l #	93
32) 1,1,1-Trichloroethane	7.53	97	109590	18.835	ug/l	99
36) 1,1-Dichloropropene	7.75	75	83995	18.325	ug/l	99
37) Ethyl Acetate	6.88	43	79099	20.609	ug/l	99
38) Carbon Tetrachloride	7.73	117	93646	19.224	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	69481	17.107	ug/l	93
40) Benzene	8.00	78	247347	19.367	ug/l	95
41) Methacrylonitrile	7.13	41	34165m	19.421	ug/l	
42) 1,2-Dichloroethane	8.08	62	106367	19.357	ug/l	99
43) Isopropyl Acetate	8.13	43	135481	18.211	ug/l	99
44) Trichloroethene	8.80	130	69507	18.963	ug/l	94
45) 1,2-Dichloropropane	9.08	63	67143	19.723	ug/l	99
46) Dibromomethane	9.17	93	46702	19.353	ug/l	96
47) Bromodichloromethane	9.37	83	98859	19.487	ug/l	98
48) Methyl methacrylate	9.17	41	66431	18.925	ug/l	99
49) 1,4-Dioxane	9.16	88	17610	402.113	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	408803	94.928	ug/l	100
52) Toluene	10.12	92	155526	19.772	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	98538	18.149	ug/l	96
54) cis-1,3-Dichloropropene	9.81	75	103524	18.517	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	60073	19.041	ug/l	96
56) Ethyl methacrylate	10.40	69	83579	17.950	ug/l	99
57) 1,3-Dichloropropane	10.68	76	105409	19.287	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	234107	91.556	ug/l	100
59) 2-Hexanone	10.72	43	292060	93.980	ug/l	99
60) Dibromochloromethane	10.87	129	66441	18.227	ug/l	95
61) 1,2-Dibromoethane	10.97	107	62344	18.526	ug/l	95
64) Tetrachloroethene	10.60	164	71578	19.352	ug/l	99
65) Chlorobenzene	11.41	112	161469	18.194	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	62583	18.873	ug/l	99
67) Ethyl Benzene	11.48	91	282615	18.061	ug/l	97
68) m/p-Xylenes	11.59	106	212497	36.147	ug/l	97
69) o-Xylene	11.92	106	95828	17.554	ug/l	93
70) Styrene	11.94	104	169657	17.663	ug/l	98
71) Bromoform	12.10	173	42664	18.188	ug/l #	99
73) Isopropylbenzene	12.22	105	253829	18.532	ug/l	100
74) N-amyl acetate	12.04	43	119277	18.647	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	74268	19.395	ug/l	98
76) 1,2,3-Trichloropropane	12.52	75	83717m	20.141	ug/l	
77) Bromobenzene	12.50	156	64331	18.623	ug/l	96
78) n-propylbenzene	12.56	91	309603	19.410	ug/l	98
79) 2-Chlorotoluene	12.65	91	193175	18.922	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	218024	19.162	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	26980	17.745	ug/l #	84
82) 4-Chlorotoluene	12.75	91	206220	18.944	ug/l	98
83) tert-Butylbenzene	12.97	119	169176	19.220	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	221085	19.039	ug/l	99
85) sec-Butylbenzene	13.14	105	223166	19.022	ug/l	99
86) p-Isopropyltoluene	13.26	119	196491	18.211	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	114704	18.224	ug/l	98
88) 1,4-Dichlorobenzene	13.33	146	118144	18.283	ug/l	100
89) n-Butylbenzene	13.59	91	173447	17.219	ug/l	99
90) Hexachloroethane	13.85	117	34089	19.111	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	113229	18.406	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	18881	18.789	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	54594	17.207	ug/l	98
94) Hexachlorobutadiene	14.98	225	25096	17.992	ug/l	98
95) Naphthalene	15.10	128	177071	16.331	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	53866	17.287	ug/l	97

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

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