

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111820\
 Data File : VN064708.D
 Acq On : 18 Nov 2020 15:31
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN111820

Manual Integrations
 APPROVED

MMDadoda
 11/19/2020 2:10:31 PM

Quant Time: Nov 18 18:02:54 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	296634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.54	114	508310	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	479305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	232391	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.98	65	238976	45.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.60%	
35) Dibromofluoromethane	7.55	113	128311	44.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.70%	
50) Toluene-d8	10.05	98	621776	47.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.58%	
62) 4-Bromofluorobenzene	12.37	95	237480	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	176890	47.725	ug/l	98
3) Chloromethane	2.04	50	187402	45.724	ug/l	99
4) Vinyl Chloride	2.17	62	203230	47.522	ug/l	100
5) Bromomethane	2.54	94	150877	48.111	ug/l	95
6) Chloroethane	2.68	64	136263	47.224	ug/l	96
7) Trichlorofluoromethane	2.99	101	381873	49.856	ug/l	97
8) Diethyl Ether	3.37	74	117680	47.617	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.71	101	168765	50.985	ug/l	98
10) Methyl Iodide	3.91	142	194519	49.162	ug/l	100
11) Tert butyl alcohol	4.73	59	126067	249.018	ug/l	97
12) 1,1-Dichloroethene	3.69	96	157550	49.402	ug/l	100
13) Acrolein	3.56	56	18134	152.995	ug/l	99
14) Allyl chloride	4.27	41	280209	51.171	ug/l	99
15) Acrylonitrile	4.93	53	363190	244.318	ug/l	99
16) Acetone	3.77	43	288285	228.773	ug/l	99
17) Carbon Disulfide	4.00	76	459690	49.566	ug/l	99
18) Methyl Acetate	4.27	43	170404	44.646	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	547903	51.344	ug/l	99
20) Methylene Chloride	4.50	84	183250	47.423	ug/l	97
21) trans-1,2-Dichloroethene	4.98	96	173775	48.834	ug/l	97
22) Diisopropyl ether	5.90	45	609657	52.719	ug/l	99
23) Vinyl Acetate	5.84	43	2463860	264.002	ug/l	99
24) 1,1-Dichloroethane	5.79	63	339735	50.143	ug/l	98
25) 2-Butanone	6.78	43	503459	252.353	ug/l	99
26) 2,2-Dichloropropane	6.77	77	330369	51.315	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	199776	50.922	ug/l	99
28) Bromochloromethane	7.15	49	180339	52.790	ug/l	98
29) Tetrahydrofuran	7.16	42	337178	250.133	ug/l	99
30) Chloroform	7.33	83	369846	50.232	ug/l	97
31) Cyclohexane	7.61	56	274903	48.728	ug/l	98
32) 1,1,1-Trichloroethane	7.52	97	338501	50.299	ug/l	100
36) 1,1-Dichloropropene	7.75	75	273616	52.321	ug/l	100
37) Ethyl Acetate	6.87	43	231244	52.809	ug/l	99
38) Carbon Tetrachloride	7.73	117	300916	54.144	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	250316	54.021	ug/l	95
40) Benzene	8.00	78	763678	52.410	ug/l	97
41) Methacrylonitrile	7.12	41	107259	53.441	ug/l	94
42) 1,2-Dichloroethane	8.08	62	323245	51.560	ug/l	99
43) Isopropyl Acetate	8.12	43	417313	49.168	ug/l	99
44) Trichloroethene	8.79	130	214729	51.350	ug/l	98
45) 1,2-Dichloropropane	9.08	63	202355	52.100	ug/l	96
46) Dibromomethane	9.17	93	145188	52.735	ug/l	99
47) Bromodichloromethane	9.37	83	306192	52.902	ug/l	99
48) Methyl methacrylate	9.16	41	208158	51.978	ug/l	99
49) 1,4-Dioxane	9.16	88	49291	986.537	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	1210747	236.646	ug/l	100
52) Toluene	10.12	92	487882	54.364	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	332886	53.740	ug/l	99
54) cis-1,3-Dichloropropene	9.80	75	345955	54.239	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	189667	52.693	ug/l	97
56) Ethyl methacrylate	10.40	69	278873	47.348	ug/l	100
57) 1,3-Dichloropropane	10.67	76	330090	52.940	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	533874	169.750	ug/l	100
59) 2-Hexanone	10.72	43	879934	234.334	ug/l	99
60) Dibromochloromethane	10.87	129	219925	52.884	ug/l	99
61) 1,2-Dibromoethane	10.97	107	196513	51.185	ug/l	98
64) Tetrachloroethene	10.60	164	224161	52.754	ug/l	98
65) Chlorobenzene	11.40	112	531429	52.123	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	199496	52.367	ug/l	98
67) Ethyl Benzene	11.48	91	972886	54.120	ug/l	98
68) m/p-Xylenes	11.59	106	717285	98.332	ug/l	100
69) o-Xylene	11.92	106	338286	53.939	ug/l	99
70) Styrene	11.94	104	595142	48.724	ug/l	99
71) Bromoform	12.10	173	140219	47.478	ug/l #	97
73) Isopropylbenzene	12.22	105	889459	53.908	ug/l	99
74) N-amyl acetate	12.04	43	409194	53.104	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	219461	47.574	ug/l	100
76) 1,2,3-Trichloropropane	12.52	75	274437m	54.808	ug/l	
77) Bromobenzene	12.50	156	212309	51.018	ug/l	99
78) n-propylbenzene	12.56	91	1067759	55.568	ug/l	99
79) 2-Chlorotoluene	12.65	91	648522	52.733	ug/l	99
80) 1,3,5-Trimethylbenzene	12.70	105	764421	55.771	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	91737	47.299	ug/l	99
82) 4-Chlorotoluene	12.74	91	707190	53.928	ug/l	98
83) tert-Butylbenzene	12.96	119	582942	54.977	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	781594	55.874	ug/l	99
85) sec-Butylbenzene	13.14	105	775163	54.847	ug/l	99
86) p-Isopropyltoluene	13.26	119	728517	56.048	ug/l	99
87) 1,3-Dichlorobenzene	13.25	146	386555	50.981	ug/l	98
88) 1,4-Dichlorobenzene	13.33	146	396012	50.872	ug/l	99
89) n-Butylbenzene	13.59	91	653105	53.823	ug/l	99
90) Hexachloroethane	13.85	117	117237	54.560	ug/l	96
91) 1,2-Dichlorobenzene	13.62	146	373588	50.412	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	58195	48.073	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	199447	49.476	ug/l	99
94) Hexachlorobutadiene	14.98	225	83801	50.744	ug/l	97
95) Naphthalene	15.10	128	659286	50.475	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	189775	49.096	ug/l	99

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

