

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081820\
 Data File : VN062999.D
 Acq On : 18 Aug 2020 21:30
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081820

Manual Integrations
 APPROVED

MMDadoda
 8/19/2020 5:46:22 PM

Quant Time: Aug 19 06:13:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	179634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	276690	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	258968	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	127226	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	104323	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
35) Dibromofluoromethane	7.55	113	85598	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	
50) Toluene-d8	10.06	98	333799	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
62) 4-Bromofluorobenzene	12.38	95	121269	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	121251	51.656	ug/l	99
3) Chloromethane	2.04	50	137032	55.636	ug/l	99
4) Vinyl Chloride	2.16	62	137041	57.533	ug/l	100
5) Bromomethane	2.51	94	82743	58.525	ug/l	99
6) Chloroethane	2.66	64	77574	55.160	ug/l	96
7) Trichlorofluoromethane	2.98	101	157190	52.918	ug/l	98
8) Diethyl Ether	3.37	74	54703	52.056	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	78963	49.332	ug/l	100
10) Methyl Iodide	3.91	142	101837	50.194	ug/l	99
11) Tert butyl alcohol	4.74	59	77798	257.982	ug/l	100
12) 1,1-Dichloroethene	3.70	96	74714	48.999	ug/l	96
13) Acrolein	3.57	56	16464	174.274	ug/l	100
14) Allyl chloride	4.28	41	134752	50.122	ug/l	98
15) Acrylonitrile	4.93	53	236609	266.947	ug/l	99
16) Acetone	3.78	43	172978	260.715	ug/l	100
17) Carbon Disulfide	4.01	76	206147	51.623	ug/l	99
18) Methyl Acetate	4.28	43	105010	49.633	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	284955	53.587	ug/l	100
20) Methylene Chloride	4.50	84	94421	50.311	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	81227	50.903	ug/l	97
22) Diisopropyl ether	5.90	45	324148	53.131	ug/l	98
23) Vinyl Acetate	5.84	43	1050200	255.090	ug/l	99
24) 1,1-Dichloroethane	5.80	63	169391	49.686	ug/l	98
25) 2-Butanone	6.79	43	284056	251.312	ug/l	98
26) 2,2-Dichloropropane	6.78	77	124884	46.578	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	102659	51.327	ug/l	97
28) Bromochloromethane	7.15	49	85082	47.697	ug/l	100
29) Tetrahydrofuran	7.17	42	197666	270.965	ug/l	99
30) Chloroform	7.33	83	174167	50.725	ug/l	100
31) Cyclohexane	7.62	56	169166	53.912	ug/l	100
32) 1,1,1-Trichloroethane	7.53	97	143897	51.334	ug/l	99
36) 1,1-Dichloropropene	7.75	75	124089	50.891	ug/l	99
37) Ethyl Acetate	6.88	43	108931	47.678	ug/l	98
38) Carbon Tetrachloride	7.73	117	122639	49.819	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	160395	48.763	ug/l	97
40) Benzene	8.00	78	387906	50.159	ug/l	99
41) Methacrylonitrile	7.12	41	52794	48.498	ug/l #	89
42) 1,2-Dichloroethane	8.08	62	132754	51.124	ug/l	100
43) Isopropyl Acetate	8.13	43	192194	50.776	ug/l	99
44) Trichloroethene	8.80	130	94885	49.325	ug/l	97
45) 1,2-Dichloropropane	9.08	63	112338	50.253	ug/l	96
46) Dibromomethane	9.17	93	65664	50.847	ug/l	99
47) Bromodichloromethane	9.37	83	142472	50.370	ug/l	100
48) Methyl methacrylate	9.17	41	96265	53.751	ug/l	99
49) 1,4-Dioxane	9.17	88	38993	989.574	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	633689	264.861	ug/l	100
52) Toluene	10.13	92	244009	52.304	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	152917	52.279	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	167016	52.051	ug/l	99
55) 1,1,2-Trichloroethane	10.54	97	99465	49.863	ug/l	99
56) Ethyl methacrylate	10.40	69	149594	48.606	ug/l	98
57) 1,3-Dichloropropane	10.68	76	166837	50.367	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	173153	232.094	ug/l	100
59) 2-Hexanone	10.72	43	441247	264.401	ug/l	100
60) Dibromochloromethane	10.88	129	111358	50.444	ug/l	99
61) 1,2-Dibromoethane	10.98	107	99787	52.062	ug/l	99
64) Tetrachloroethene	10.60	164	86352	50.726	ug/l	99
65) Chlorobenzene	11.41	112	263924	50.744	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	102651	50.742	ug/l	100
67) Ethyl Benzene	11.49	91	475973	54.160	ug/l	99
68) m/p-Xylenes	11.60	106	358970	109.901	ug/l	99
69) o-Xylene	11.92	106	171032	54.529	ug/l	98
70) Styrene	11.94	104	304934	49.029	ug/l	99
71) Bromoform	12.10	173	82896	51.481	ug/l #	100
73) Isopropylbenzene	12.23	105	466975	53.599	ug/l	99
74) N-amyl acetate	12.05	43	176702	56.629	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	150389	53.614	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	116352m	47.049	ug/l	
77) Bromobenzene	12.50	156	123249	51.436	ug/l	99
78) n-propylbenzene	12.57	91	548215	55.204	ug/l	100
79) 2-Chlorotoluene	12.65	91	324927	52.020	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	399971	55.535	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	48003	53.311	ug/l	98
82) 4-Chlorotoluene	12.75	91	340218	53.491	ug/l	99
83) tert-Butylbenzene	12.97	119	342344	55.073	ug/l	100
84) 1,2,4-Trimethylbenzene	13.02	105	389268	55.480	ug/l	99
85) sec-Butylbenzene	13.15	105	461819	54.971	ug/l	100
86) p-Isopropyltoluene	13.26	119	407555	55.676	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	214388	52.061	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	213989	51.197	ug/l	100
89) n-Butylbenzene	13.59	91	325252	47.053	ug/l	99
90) Hexachloroethane	13.85	117	76619	49.245	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	207132	52.072	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	23874	54.410	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	101472	46.382	ug/l	99
94) Hexachlorobutadiene	14.99	225	72626	49.409	ug/l	100
95) Naphthalene	15.10	128	228448	45.567	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	100509	46.777	ug/l	99

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

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