

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062220\
 Data File : VN062015.D
 Acq On : 22 Jun 2020 21:56
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/23/2020 12:47:23 PM

Quant Time: Jun 23 06:31:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	155406	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	268437	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	253904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	125480	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	115243	55.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.58%	
35) Dibromofluoromethane	7.55	113	96184	56.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.02%	
50) Toluene-d8	10.06	98	370583	54.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.78%	
62) 4-Bromofluorobenzene	12.37	95	131888	56.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.90%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	99451	49.187	ug/l 98
3) Chloromethane	2.03	50	100444	46.564	ug/l 98
4) Vinyl Chloride	2.16	62	128127	49.825	ug/l 100
5) Bromomethane	2.52	94	87826	44.474	ug/l 99
6) Chloroethane	2.66	64	89511	51.432	ug/l 99
7) Trichlorofluoromethane	2.98	101	161967	52.729	ug/l 100
8) Diethyl Ether	3.37	74	58700	56.844	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	84516	53.632	ug/l 99
10) Methyl Iodide	3.91	142	102510	53.484	ug/l 100
11) Tert butyl alcohol	4.73	59	81434	282.351	ug/l 100
12) 1,1-Dichloroethene	3.69	96	82904	52.504	ug/l 96
13) Acrolein	3.57	56	44253	256.721	ug/l 99
14) Allyl chloride	4.27	41	116725	55.698	ug/l 98
15) Acrylonitrile	4.93	53	218857	306.246	ug/l 99
16) Acetone	3.77	43	168148	273.126	ug/l 99
17) Carbon Disulfide	4.01	76	189860	41.094	ug/l 100
18) Methyl Acetate	4.28	43	105760	59.669	ug/l 99
19) Methyl tert-butyl Ether	4.99	73	296986	56.489	ug/l 99
20) Methylene Chloride	4.50	84	101225	50.467	ug/l 96
21) trans-1,2-Dichloroethene	4.99	96	91486	50.443	ug/l 96
22) Diisopropyl ether	5.90	45	278413	58.089	ug/l 98
23) Vinyl Acetate	5.84	43	1085223	287.884	ug/l 98
24) 1,1-Dichloroethane	5.80	63	172959	55.126	ug/l 99
25) 2-Butanone	6.79	43	270045	300.644	ug/l 99
26) 2,2-Dichloropropane	6.78	77	135288	51.252	ug/l 99
27) cis-1,2-Dichloroethene	6.78	96	111273	53.172	ug/l 98
28) Bromochloromethane	7.15	49	81505	58.344	ug/l 92
29) Tetrahydrofuran	7.17	42	179160	303.082	ug/l 98
30) Chloroform	7.33	83	183196	54.634	ug/l 98
31) Cyclohexane	7.61	56	128887	46.926	ug/l 98
32) 1,1,1-Trichloroethane	7.53	97	154256	54.017	ug/l 99
36) 1,1-Dichloropropene	7.75	75	127977	52.269	ug/l 99
37) Ethyl Acetate	6.88	43	116072	60.707	ug/l 100
38) Carbon Tetrachloride	7.73	117	128583	53.032	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	135309	51.323	ug/l	99
40) Benzene	8.00	78	399974	53.928	ug/l	98
41) Methacrylonitrile	7.13	41	46139m	56.433	ug/l	
42) 1,2-Dichloroethane	8.08	62	139744	55.258	ug/l	99
43) Isopropyl Acetate	8.13	43	194410	60.335	ug/l #	90
44) Trichloroethene	8.80	130	102476	52.500	ug/l	100
45) 1,2-Dichloropropane	9.08	63	104973	57.592	ug/l	98
46) Dibromomethane	9.17	93	71857	55.984	ug/l	97
47) Bromodichloromethane	9.37	83	147532	56.134	ug/l	98
48) Methyl methacrylate	9.17	41	87422	59.661	ug/l	97
49) 1,4-Dioxane	9.17	88	38999	1159.233	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	593441	311.667	ug/l	100
52) Toluene	10.12	92	261617	56.165	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	159116	57.029	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	171727	56.667	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	108109	58.989	ug/l	99
56) Ethyl methacrylate	10.40	69	149975	53.366	ug/l	98
57) 1,3-Dichloropropane	10.68	76	178836	57.599	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	288975	298.764	ug/l	98
59) 2-Hexanone	10.72	43	432445	282.441	ug/l	99
60) Dibromochloromethane	10.87	129	116366	56.902	ug/l	99
61) 1,2-Dibromoethane	10.98	107	107348	56.094	ug/l	99
64) Tetrachloroethene	10.60	164	86028	53.159	ug/l	97
65) Chlorobenzene	11.41	112	285054	53.206	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	104020	55.669	ug/l	99
67) Ethyl Benzene	11.48	91	500511	55.719	ug/l	99
68) m/p-Xylenes	11.59	106	385695	111.352	ug/l	99
69) o-Xylene	11.92	106	187244	56.656	ug/l	99
70) Styrene	11.94	104	322174	58.220	ug/l	100
71) Bromoform	12.10	173	77418	56.823	ug/l #	100
73) Isopropylbenzene	12.22	105	496263	55.655	ug/l	99
74) N-amyl acetate	12.05	43	172783	53.292	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	161707	55.780	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	146442m	59.445	ug/l	
77) Bromobenzene	12.50	156	121366	53.951	ug/l	97
78) n-propylbenzene	12.57	91	565305	55.561	ug/l	100
79) 2-Chlorotoluene	12.65	91	337670	55.259	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	413679	56.077	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	52181	57.772	ug/l	99
82) 4-Chlorotoluene	12.75	91	350736	55.547	ug/l	98
83) tert-Butylbenzene	12.97	119	347630	55.585	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	417013	57.265	ug/l	99
85) sec-Butylbenzene	13.15	105	468967	57.290	ug/l	99
86) p-Isopropyltoluene	13.26	119	418540	57.380	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	217418	52.991	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	216243	51.489	ug/l	99
89) n-Butylbenzene	13.59	91	335456	55.068	ug/l	100
90) Hexachloroethane	13.85	117	76901	57.594	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	216216	54.740	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	27268	57.938	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	97340	52.225	ug/l	99
94) Hexachlorobutadiene	14.98	225	40297	54.893	ug/l	98
95) Naphthalene	15.10	128	285016	45.965	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	98424	53.320	ug/l	99

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

