

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120320\
 Data File : VN064889.D
 Acq On : 3 Dec 2020 10:23
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

SAM
 12/4/2020 5:41:50 PM

Quant Time: Dec 04 03:30:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	211823	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	307225	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	289492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	146976	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	113863	46.24	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	92.48%
35) Dibromofluoromethane	7.54	113	100570	54.71	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	109.42%
50) Toluene-d8	10.06	98	392736	52.29	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	104.58%
62) 4-Bromofluorobenzene	12.37	95	142252	52.92	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	105.84%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	77211	42.058	ug/l 99
3) Chloromethane	2.04	50	99858	41.858	ug/l 100
4) Vinyl Chloride	2.17	62	108463	43.608	ug/l 95
5) Bromomethane	2.52	94	69359	42.504	ug/l 97
6) Chloroethane	2.67	64	70786	46.014	ug/l 99
7) Trichlorofluoromethane	2.99	101	159166	46.294	ug/l 100
8) Diethyl Ether	3.37	74	62069	45.736	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	99545	48.265	ug/l 99
10) Methyl Iodide	3.90	142	117107	43.775	ug/l 99
11) Tert butyl alcohol	4.74	59	75585	196.812	ug/l 100
12) 1,1-Dichloroethene	3.69	96	94663	46.086	ug/l 99
13) Acrolein	3.56	56	71431	304.504	ug/l 98
14) Allyl chloride	4.27	41	149684	44.183	ug/l 99
15) Acrylonitrile	4.93	53	241205	227.351	ug/l 99
16) Acetone	3.78	43	163639	202.143	ug/l 98
17) Carbon Disulfide	4.00	76	235543	44.413	ug/l 99
18) Methyl Acetate	4.28	43	108178	44.447	ug/l 98
19) Methyl tert-butyl Ether	4.99	73	313596	47.603	ug/l 99
20) Methylene Chloride	4.50	84	114977	45.326	ug/l 98
21) trans-1,2-Dichloroethene	4.98	96	104550	45.835	ug/l 98
22) Diisopropyl ether	5.90	45	333748	49.218	ug/l 99
23) Vinyl Acetate	5.84	43	1304398	240.548	ug/l 99
24) 1,1-Dichloroethane	5.79	63	193490	47.745	ug/l 98
25) 2-Butanone	6.78	43	289056	220.271	ug/l 98
26) 2,2-Dichloropropane	6.77	77	163992	46.657	ug/l 99
27) cis-1,2-Dichloroethene	6.78	96	120160	46.814	ug/l 99
28) Bromochloromethane	7.14	49	85960	46.366	ug/l 96
29) Tetrahydrofuran	7.16	42	196949	217.419	ug/l 99
30) Chloroform	7.32	83	200969	48.088	ug/l 99
31) Cyclohexane	7.61	56	153335	44.675	ug/l 98
32) 1,1,1-Trichloroethane	7.52	97	171500	47.780	ug/l 99
36) 1,1-Dichloropropene	7.75	75	146410	51.414	ug/l 99
37) Ethyl Acetate	6.88	43	125951	45.916	ug/l 98
38) Carbon Tetrachloride	7.73	117	154938	52.291	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	158382	51.666	ug/l	95
40) Benzene	8.00	78	453057	51.919	ug/l	98
41) Methacrylonitrile	7.12	41	60836	48.065	ug/l	93
42) 1,2-Dichloroethane	8.08	62	148582	50.474	ug/l	100
43) Isopropyl Acetate	8.12	43	208094	47.145	ug/l	99
44) Trichloroethene	8.80	130	130116	50.536	ug/l	99
45) 1,2-Dichloropropane	9.08	63	121573	53.798	ug/l	100
46) Dibromomethane	9.17	93	79020	52.341	ug/l	99
47) Bromodichloromethane	9.37	83	161045	53.015	ug/l	97
48) Methyl methacrylate	9.16	41	102618	48.654	ug/l	97
49) 1,4-Dioxane	9.16	88	37823	948.822	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	645102	243.445	ug/l	100
52) Toluene	10.12	92	289111	53.798	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	174560	51.593	ug/l	99
54) cis-1,3-Dichloropropene	9.80	75	191462	52.794	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	114804	51.951	ug/l	96
56) Ethyl methacrylate	10.40	69	157757	51.732	ug/l	99
57) 1,3-Dichloropropane	10.68	76	189760	52.056	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	444400	264.929	ug/l	100
59) 2-Hexanone	10.72	43	471111	247.032	ug/l	100
60) Dibromochloromethane	10.87	129	132092	53.774	ug/l	100
61) 1,2-Dibromoethane	10.97	107	114975	51.211	ug/l	98
64) Tetrachloroethene	10.60	164	147245	52.280	ug/l	99
65) Chlorobenzene	11.40	112	317689	51.102	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	119898	52.479	ug/l	100
67) Ethyl Benzene	11.48	91	539533	51.950	ug/l	98
68) m/p-Xylenes	11.59	106	426280	108.412	ug/l	99
69) o-Xylene	11.92	106	200670	53.780	ug/l	99
70) Styrene	11.94	104	349710	55.518	ug/l	98
71) Bromoform	12.10	173	91145	49.949	ug/l #	100
73) Isopropylbenzene	12.22	105	535542	52.385	ug/l	100
74) N-amyl acetate	12.04	43	186844	46.441	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	138283	46.149	ug/l	99
76) 1,2,3-Trichloropropane	12.52	75	151507m	47.866	ug/l	
77) Bromobenzene	12.50	156	139217	50.511	ug/l	97
78) n-propylbenzene	12.56	91	618938	53.145	ug/l	99
79) 2-Chlorotoluene	12.65	91	362320	50.329	ug/l	99
80) 1,3,5-Trimethylbenzene	12.70	105	467727	55.043	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	54232	46.959	ug/l	96
82) 4-Chlorotoluene	12.74	91	388525	51.488	ug/l	100
83) tert-Butylbenzene	12.96	119	385511	54.125	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	467732	54.441	ug/l	100
85) sec-Butylbenzene	13.14	105	516220	54.587	ug/l	100
86) p-Isopropyltoluene	13.26	119	486067	56.455	ug/l	100
87) 1,3-Dichlorobenzene	13.25	146	252622	51.589	ug/l	99
88) 1,4-Dichlorobenzene	13.33	146	249360	48.152	ug/l	100
89) n-Butylbenzene	13.59	91	410331	54.269	ug/l	100
90) Hexachloroethane	13.85	117	81178	54.275	ug/l	99
91) 1,2-Dichlorobenzene	13.62	146	247560	51.488	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	29214	43.330	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	144691	48.646	ug/l	100
94) Hexachlorobutadiene	14.98	225	71946	53.688	ug/l	99
95) Naphthalene	15.10	128	403527	45.285	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	138336	48.971	ug/l	99

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

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