

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120420\
 Data File : VN064933.D
 Acq On : 4 Dec 2020 20:55
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/7/2020 10:46:12 AM

Quant Time: Dec 05 03:35:56 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	219998	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	355370	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	317315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	154198	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	128876	50.39	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	100.78%		
35) Dibromofluoromethane	7.55	113	114518	53.85	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	107.70%		
50) Toluene-d8	10.06	98	442507	50.93	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.86%		
62) 4-Bromofluorobenzene	12.38	95	158687	51.03	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	102.06%		

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	78307	41.070	ug/l	99
3) Chloromethane	2.04	50	103565	41.799	ug/l	98
4) Vinyl Chloride	2.16	62	110072	42.611	ug/l	96
5) Bromomethane	2.52	94	73416	43.318	ug/l	94
6) Chloroethane	2.67	64	69273	43.357	ug/l	99
7) Trichlorofluoromethane	2.99	101	162418	45.485	ug/l	99
8) Diethyl Ether	3.37	74	64405	45.694	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	100797	47.056	ug/l	99
10) Methyl Iodide	3.91	142	118178	42.534	ug/l	96
11) Tert butyl alcohol	4.75	59	98215	246.235	ug/l	100
12) 1,1-Dichloroethene	3.69	96	101148	47.413	ug/l	99
13) Acrolein	3.57	56	60542	248.495	ug/l	99
14) Allyl chloride	4.27	41	167885	47.714	ug/l	97
15) Acrylonitrile	4.93	53	275422	249.956	ug/l	99
16) Acetone	3.78	43	212546	252.802	ug/l	96
17) Carbon Disulfide	4.01	76	246036	44.668	ug/l	99
18) Methyl Acetate	4.28	43	127000	50.241	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	355976	52.028	ug/l	100
20) Methylene Chloride	4.50	84	126325	47.949	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	110663	46.712	ug/l	95
22) Diisopropyl ether	5.90	45	364077	51.696	ug/l	98
23) Vinyl Acetate	5.85	43	1459591	259.166	ug/l	100
24) 1,1-Dichloroethane	5.80	63	210297	49.964	ug/l	100
25) 2-Butanone	6.79	43	345968	253.844	ug/l	96
26) 2,2-Dichloropropane	6.78	77	163316	44.738	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	133955	50.250	ug/l	97
28) Bromochloromethane	7.15	49	100225	52.052	ug/l	98
29) Tetrahydrofuran	7.17	42	227934	242.274	ug/l	99
30) Chloroform	7.33	83	213080	49.092	ug/l	98
31) Cyclohexane	7.61	56	163707	45.924	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	180657	48.461	ug/l	99
36) 1,1-Dichloropropene	7.75	75	154881	47.020	ug/l	99
37) Ethyl Acetate	6.88	43	146071	46.037	ug/l	98
38) Carbon Tetrachloride	7.73	117	161386	47.088	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	164408	46.365	ug/l	97
40) Benzene	8.00	78	483165	47.868	ug/l	99
41) Methacrylonitrile	7.12	41	73034	49.885	ug/l	90
42) 1,2-Dichloroethane	8.08	62	158267	46.480	ug/l	100
43) Isopropyl Acetate	8.13	43	245455	48.075	ug/l	98
44) Trichloroethene	8.80	130	133880	44.954	ug/l	96
45) 1,2-Dichloropropane	9.08	63	129216	49.433	ug/l	99
46) Dibromomethane	9.17	93	84200	48.216	ug/l	99
47) Bromodichloromethane	9.37	83	170030	48.390	ug/l	99
48) Methyl methacrylate	9.16	41	121256	49.702	ug/l	97
49) 1,4-Dioxane	9.17	88	44210	958.793	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	738663	240.987	ug/l	99
52) Toluene	10.12	92	301243	48.462	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	189207	48.346	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	206130	49.139	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	124988	48.897	ug/l	98
56) Ethyl methacrylate	10.40	69	183153	51.923	ug/l	98
57) 1,3-Dichloropropane	10.68	76	207511	49.213	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	473719	244.147	ug/l	100
59) 2-Hexanone	10.72	43	535763	242.872	ug/l	100
60) Dibromochloromethane	10.87	129	140591	49.480	ug/l	99
61) 1,2-Dibromoethane	10.98	107	125665	48.389	ug/l	99
64) Tetrachloroethene	10.60	164	127979	41.455	ug/l	97
65) Chlorobenzene	11.41	112	332464	48.790	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	127480	50.905	ug/l	99
67) Ethyl Benzene	11.48	91	576686	50.659	ug/l	99
68) m/p-Xylenes	11.60	106	441462	102.429	ug/l	99
69) o-Xylene	11.92	106	212347	51.920	ug/l	100
70) Styrene	11.94	104	365503	52.937	ug/l	99
71) Bromoform	12.10	173	98300	49.146	ug/l #	99
73) Isopropylbenzene	12.22	105	558238	52.047	ug/l	100
74) N-amyl acetate	12.04	43	217988	51.645	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	163952	52.153	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	148103m	44.599	ug/l	
77) Bromobenzene	12.50	156	145938	50.470	ug/l	99
78) n-propylbenzene	12.56	91	622298	50.931	ug/l	98
79) 2-Chlorotoluene	12.65	91	378202	50.074	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	474542	53.230	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	58594	48.360	ug/l	97
82) 4-Chlorotoluene	12.75	91	392803	49.617	ug/l	100
83) tert-Butylbenzene	12.97	119	400098	53.543	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	481739	53.445	ug/l	100
85) sec-Butylbenzene	13.14	105	506652	51.066	ug/l	100
86) p-Isopropyltoluene	13.26	119	467197	51.722	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	255481	49.730	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	257954	47.479	ug/l	100
89) n-Butylbenzene	13.59	91	385109	48.548	ug/l	99
90) Hexachloroethane	13.85	117	81698	52.064	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	254218	50.396	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	34290	48.476	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	144744	46.385	ug/l	99
94) Hexachlorobutadiene	14.98	225	69639	49.561	ug/l	99
95) Naphthalene	15.10	128	453366	48.496	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	139567	47.146	ug/l	99

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

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