

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101419\
 Data File : VN058770.D
 Acq On : 14 Oct 2019 23:33
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:57:22 AM

Quant Time: Oct 15 04:36:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	401384	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	648372	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	606592	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	304918	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	294288	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	
35) Dibromofluoromethane	7.57	113	208371	52.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.06%	
50) Toluene-d8	10.08	98	818376	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
62) 4-Bromofluorobenzene	12.40	95	304938	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	265063	53.023	ug/l	100
3) Chloromethane	2.04	50	298864	50.276	ug/l	99
4) Vinyl Chloride	2.17	62	300337	50.728	ug/l	99
5) Bromomethane	2.54	94	182842	50.767	ug/l	98
6) Chloroethane	2.68	64	190971	52.294	ug/l	99
7) Trichlorofluoromethane	3.00	101	383351	54.103	ug/l	99
8) Diethyl Ether	3.39	74	128619	49.129	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	205783	50.935	ug/l	98
10) Methyl Iodide	3.93	142	274666	49.819	ug/l	98
11) Tert butyl alcohol	4.76	59	241112	264.942	ug/l	100
12) 1,1-Dichloroethene	3.72	96	197105	51.133	ug/l	96
13) Acrolein	3.58	56	150441	205.544	ug/l	98
14) Allyl chloride	4.30	41	384750m	49.460	ug/l	
15) Acrylonitrile	4.96	53	636629	277.396	ug/l	100
16) Acetone	3.79	43	572925	246.275	ug/l	99
17) Carbon Disulfide	4.03	76	606645	49.233	ug/l	99
18) Methyl Acetate	4.30	43	337784	57.242	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	719621	52.281	ug/l	96
20) Methylene Chloride	4.53	84	234301	48.190	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	215464	49.971	ug/l	99
22) Diisopropyl ether	5.93	45	793289	52.449	ug/l	98
23) Vinyl Acetate	5.87	43	3315236	271.640	ug/l	100
24) 1,1-Dichloroethane	5.82	63	449825	52.219	ug/l	99
25) 2-Butanone	6.81	43	890087	264.709	ug/l	99
26) 2,2-Dichloropropane	6.80	77	322667	41.034	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	252501	50.218	ug/l	97
28) Bromochloromethane	7.17	49	154874	51.679	ug/l	99
29) Tetrahydrofuran	7.19	42	599660	275.964	ug/l	99
30) Chloroform	7.36	83	441460	51.008	ug/l	98
31) Cyclohexane	7.63	56	404286	49.050	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	385739	52.261	ug/l	99
36) 1,1-Dichloropropene	7.78	75	334489	51.024	ug/l	99
37) Ethyl Acetate	6.91	43	366800	55.326	ug/l	99
38) Carbon Tetrachloride	7.76	117	339851	53.193	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	383926	50.471	ug/l	98
40) Benzene	8.02	78	980987	52.104	ug/l	100
41) Methacrylonitrile	7.15	41	146207m	47.111	ug/l	
42) 1,2-Dichloroethane	8.11	62	372449	51.492	ug/l	100
43) Isopropyl Acetate	8.15	43	595092	52.690	ug/l	99
44) Trichloroethene	8.82	130	239605	51.248	ug/l	99
45) 1,2-Dichloropropane	9.11	63	267948	53.163	ug/l	98
46) Dibromomethane	9.20	93	171275	53.599	ug/l	98
47) Bromodichloromethane	9.39	83	351532	54.023	ug/l	99
48) Methyl methacrylate	9.19	41	280505	54.791	ug/l	99
49) 1,4-Dioxane	9.19	88	86990	1098.334	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1891539	298.212	ug/l	99
52) Toluene	10.15	92	600508	52.149	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	386424	51.777	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	411723	51.959	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	239385	50.792	ug/l	99
56) Ethyl methacrylate	10.43	69	384443	55.834	ug/l	99
57) 1,3-Dichloropropane	10.71	76	422075	52.553	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	920601	277.436	ug/l	100
59) 2-Hexanone	10.75	43	1417503	289.178	ug/l	99
60) Dibromochloromethane	10.90	129	263162	54.128	ug/l	99
61) 1,2-Dibromoethane	11.00	107	249303	52.799	ug/l	99
64) Tetrachloroethene	10.63	164	215655	50.801	ug/l	94
65) Chlorobenzene	11.43	112	632683	51.360	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	237437	52.125	ug/l	98
67) Ethyl Benzene	11.51	91	1183729	53.907	ug/l	99
68) m/p-Xylenes	11.62	106	875703	106.267	ug/l	99
69) o-Xylene	11.95	106	414035	51.930	ug/l	99
70) Styrene	11.97	104	701037	53.647	ug/l	100
71) Bromoform	12.13	173	187540	56.169	ug/l #	98
73) Isopropylbenzene	12.25	105	1145209	51.860	ug/l	99
74) N-amyl acetate	12.07	43	525124	52.945	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	379788	52.206	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	339855m	50.807	ug/l	
77) Bromobenzene	12.53	156	270318	50.326	ug/l	99
78) n-propylbenzene	12.59	91	1368652	53.188	ug/l	99
79) 2-Chlorotoluene	12.68	91	802396	50.240	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	988327	52.423	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	124879	50.008	ug/l	99
82) 4-Chlorotoluene	12.78	91	835848	51.000	ug/l	100
83) tert-Butylbenzene	13.00	119	837186	51.835	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	998739	53.363	ug/l	99
85) sec-Butylbenzene	13.18	105	1139201	53.530	ug/l	100
86) p-Isopropyltoluene	13.29	119	1028774	53.189	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	497368	50.210	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	490731	48.725	ug/l	99
89) n-Butylbenzene	13.62	91	936595	52.369	ug/l	99
90) Hexachloroethane	13.88	117	185368	53.561	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	490093	50.763	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	86002	50.603	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	291839	49.553	ug/l	99
94) Hexachlorobutadiene	15.01	225	150010	48.368	ug/l	99
95) Naphthalene	15.13	128	857399	50.656	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	278670	48.465	ug/l	99

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

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