

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101619\
 Data File : VN058813.D
 Acq On : 16 Oct 2019 19:30
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:51:32 AM

Quant Time: Oct 17 05:11:03 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	386979	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	618107	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	573072	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	280525	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	280685	51.81	ug/l	0.00
Spiked Amount			Recovery	=	103.62%	
35) Dibromofluoromethane	7.57	113	200159	52.43	ug/l	0.00
Spiked Amount			Recovery	=	104.86%	
50) Toluene-d8	10.09	98	787045	51.55	ug/l	0.00
Spiked Amount			Recovery	=	103.10%	
62) 4-Bromofluorobenzene	12.40	95	294534	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	248267	51.512	ug/l	99
3) Chloromethane	2.04	50	287545	50.173	ug/l	100
4) Vinyl Chloride	2.17	62	296311	51.911	ug/l	100
5) Bromomethane	2.54	94	180611	52.014	ug/l	97
6) Chloroethane	2.68	64	186551	52.985	ug/l	100
7) Trichlorofluoromethane	3.00	101	361892	52.976	ug/l	99
8) Diethyl Ether	3.39	74	130380	51.655	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	200625	51.507	ug/l	98
10) Methyl Iodide	3.93	142	267547	50.335	ug/l	99
11) Tert butyl alcohol	4.76	59	251749	286.927	ug/l	99
12) 1,1-Dichloroethene	3.72	96	190794	51.339	ug/l	96
13) Acrolein	3.58	56	135686	192.286	ug/l	100
14) Allyl chloride	4.30	41	390899	52.121	ug/l	98
15) Acrylonitrile	4.96	53	627640	283.659	ug/l	100
16) Acetone	3.79	43	596200	265.820	ug/l	100
17) Carbon Disulfide	4.03	76	561582	47.273	ug/l	100
18) Methyl Acetate	4.30	43	323576	56.875	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	710951	53.574	ug/l	98
20) Methylene Chloride	4.53	84	230482	49.169	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	209603	50.421	ug/l	98
22) Diisopropyl ether	5.93	45	796426	54.616	ug/l	99
23) Vinyl Acetate	5.87	43	3420736	290.718	ug/l	100
24) 1,1-Dichloroethane	5.83	63	441349	53.142	ug/l	100
25) 2-Butanone	6.82	43	899593	277.495	ug/l	99
26) 2,2-Dichloropropane	6.80	77	359776	47.456	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	246442	50.838	ug/l	99
28) Bromochloromethane	7.18	49	153075	52.980	ug/l	96
29) Tetrahydrofuran	7.19	42	586698	280.050	ug/l	100
30) Chloroform	7.35	83	430264	51.565	ug/l	100
31) Cyclohexane	7.64	56	389873	49.063	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	379331	53.306	ug/l	99
36) 1,1-Dichloropropene	7.78	75	322377	51.585	ug/l	99
37) Ethyl Acetate	6.91	43	367615	58.164	ug/l	97
38) Carbon Tetrachloride	7.76	117	329632	54.120	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	370944	51.152	ug/l	99
40) Benzene	8.02	78	949108	52.880	ug/l	100
41) Methacrylonitrile	7.15	41	146504	49.518	ug/l #	38
42) 1,2-Dichloroethane	8.11	62	367790	53.337	ug/l	100
43) Isopropyl Acetate	8.15	43	590638	54.857	ug/l	100
44) Trichloroethene	8.82	130	232172	52.089	ug/l	98
45) 1,2-Dichloropropane	9.11	63	264011	54.947	ug/l	99
46) Dibromomethane	9.20	93	165562	54.348	ug/l	98
47) Bromodichloromethane	9.39	83	343855	55.431	ug/l	99
48) Methyl methacrylate	9.19	41	276438	56.640	ug/l	100
49) 1,4-Dioxane	9.19	88	88495	1172.045	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1859459	307.509	ug/l	100
52) Toluene	10.15	92	579229	52.764	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	392654	55.188	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	413086	54.683	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	234892	52.279	ug/l	99
56) Ethyl methacrylate	10.43	69	374253	57.016	ug/l	99
57) 1,3-Dichloropropane	10.71	76	414707	54.164	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	871457	275.485	ug/l	99
59) 2-Hexanone	10.75	43	1396017	298.739	ug/l	99
60) Dibromochloromethane	10.90	129	259524	55.993	ug/l	100
61) 1,2-Dibromoethane	11.00	107	242240	53.815	ug/l	100
64) Tetrachloroethene	10.63	164	204177	50.910	ug/l	97
65) Chlorobenzene	11.43	112	621526	53.405	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	232737	54.082	ug/l	99
67) Ethyl Benzene	11.51	91	1143803	55.135	ug/l	100
68) m/p-Xylenes	11.62	106	848235	108.954	ug/l	99
69) o-Xylene	11.95	106	402126	53.387	ug/l	100
70) Styrene	11.97	104	681625	55.212	ug/l	99
71) Bromoform	12.13	173	183045	58.030	ug/l	99
73) Isopropylbenzene	12.25	105	1118056	55.033	ug/l	99
74) N-amyl acetate	12.07	43	524625	57.495	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	370105	55.299	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	340653m	55.354	ug/l	
77) Bromobenzene	12.53	156	260906	52.798	ug/l	99
78) n-propylbenzene	12.60	91	1331205	56.231	ug/l	99
79) 2-Chlorotoluene	12.68	91	778907	53.010	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	956519	55.147	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	128192	55.798	ug/l	99
82) 4-Chlorotoluene	12.78	91	817401	54.211	ug/l	100
83) tert-Butylbenzene	13.00	119	807360	54.335	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	967980	56.216	ug/l	100
85) sec-Butylbenzene	13.18	105	1108498	56.617	ug/l	99
86) p-Isopropyltoluene	13.29	119	993770	55.847	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	479953	52.665	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	474761	51.238	ug/l	99
89) n-Butylbenzene	13.62	91	897549	54.549	ug/l	99
90) Hexachloroethane	13.88	117	182249	57.239	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	478240	53.843	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	82353	52.670	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	281038	51.869	ug/l	99
94) Hexachlorobutadiene	15.02	225	145111	50.857	ug/l	97
95) Naphthalene	15.13	128	823046	52.855	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	271211	51.269	ug/l	100

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

