

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082419\
 Data File : VN057496.D
 Acq On : 24 Aug 2019 1:34
 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
 8/26/2019 1:13:16 PM

Quant Time: Aug 26 06:40:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 05:07:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	328949	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	620231	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	587884	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	222268	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	310035	53.58	ug/l	0.00
Spiked Amount			Recovery	=	107.16%	
35) Dibromofluoromethane	7.57	113	204285	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
50) Toluene-d8	10.08	98	838309	52.92	ug/l	0.00
Spiked Amount			Recovery	=	105.84%	
62) 4-Bromofluorobenzene	12.40	95	289269	53.89	ug/l	0.00
Spiked Amount			Recovery	=	107.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	188115	48.461	ug/l	96
3) Chloromethane	2.05	50	259304	46.771	ug/l	100
4) Vinyl Chloride	2.17	62	330743	49.012	ug/l	98
5) Bromomethane	2.54	94	203316	48.890	ug/l	97
6) Chloroethane	2.68	64	216023	49.767	ug/l	96
7) Trichlorofluoromethane	3.00	101	515315	49.196	ug/l	98
8) Diethyl Ether	3.39	74	185627	52.771	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	271867	51.879	ug/l	100
10) Methyl Iodide	3.92	142	211328	49.408	ug/l	99
11) Tert butyl alcohol	4.78	59	160469	223.193	ug/l	100
12) 1,1-Dichloroethene	3.71	96	275708	49.241	ug/l	98
13) Acrolein	3.58	56	150716	238.398	ug/l	94
14) Allyl chloride	4.29	41	356271	48.041	ug/l	97
15) Acrylonitrile	4.97	53	475556	245.269	ug/l	99
16) Acetone	3.80	43	649748	244.501	ug/l	96
17) Carbon Disulfide	4.02	76	473251	44.309	ug/l	98
18) Methyl Acetate	4.30	43	295558	51.567	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	626660	46.364	ug/l	99
20) Methylene Chloride	4.52	84	196036	49.755	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	182420	46.169	ug/l	99
22) Diisopropyl ether	5.93	45	784592	49.388	ug/l	97
23) Vinyl Acetate	5.87	43	2937288	236.724	ug/l	99
24) 1,1-Dichloroethane	5.82	63	414390	49.220	ug/l	98
25) 2-Butanone	6.82	43	667247	231.230	ug/l	99
26) 2,2-Dichloropropane	6.80	77	265103	36.361	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	225108	48.062	ug/l	97
28) Bromochloromethane	7.18	49	246039	54.267	ug/l	98
29) Tetrahydrofuran	7.20	42	452639	237.883	ug/l	99
30) Chloroform	7.36	83	399897	51.195	ug/l	96
31) Cyclohexane	7.63	56	395177	48.616	ug/l	94
32) 1,1,1-Trichloroethane	7.55	97	336947	46.656	ug/l	99
36) 1,1-Dichloropropene	7.78	75	298035	47.027	ug/l	99
37) Ethyl Acetate	6.91	43	293460	46.861	ug/l	98
38) Carbon Tetrachloride	7.76	117	274155	43.544	ug/l	100

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39) Methylcyclohexane	9.07	83	351506	46.701	ug/l	98
40) Benzene	8.03	78	883463	46.445	ug/l	99
41) Methacrylonitrile	7.16	41	143793	48.153	ug/l	92
42) 1,2-Dichloroethane	8.11	62	347504	47.448	ug/l	98
43) Isopropyl Acetate	8.16	43	524262	45.656	ug/l	99
44) Trichloroethene	8.82	130	196178	46.202	ug/l	97
45) 1,2-Dichloropropane	9.11	63	255109	47.621	ug/l	98
46) Dibromomethane	9.20	93	148798	47.384	ug/l	95
47) Bromodichloromethane	9.39	83	322027	45.565	ug/l	98
48) Methyl methacrylate	9.19	41	259176	47.466	ug/l	99
49) 1,4-Dioxane	9.20	88	64935	919.641	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	1530608	239.176	ug/l	99
52) Toluene	10.15	92	547742	49.962	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	343048	46.340	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	355918	43.181	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	210198	47.411	ug/l	97
56) Ethyl methacrylate	10.43	69	341522	48.969	ug/l	98
57) 1,3-Dichloropropane	10.70	76	388412	50.337	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	574973	292.874	ug/l	99
59) 2-Hexanone	10.75	43	1046811	238.490	ug/l	99
60) Dibromochloromethane	10.90	129	220488	47.060	ug/l	99
61) 1,2-Dibromoethane	11.00	107	213573	49.115	ug/l	98
64) Tetrachloroethene	10.63	164	186655	45.383	ug/l	97
65) Chlorobenzene	11.43	112	544959	45.857	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	203661	44.686	ug/l	99
67) Ethyl Benzene	11.51	91	1079324	46.922	ug/l	98
68) m/p-Xylenes	11.62	106	738658	94.426	ug/l	97
69) o-Xylene	11.95	106	369354	47.663	ug/l	100
70) Styrene	11.96	104	613133	49.968	ug/l	100
71) Bromoform	12.12	173	129838	42.143	ug/l #	95
73) Isopropylbenzene	12.25	105	999863	50.753	ug/l	98
74) N-amyl acetate	12.07	43	445988	47.882	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	277985	48.860	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	262700m	53.671	ug/l	
77) Bromobenzene	12.53	156	205598	50.442	ug/l	97
78) n-propylbenzene	12.59	91	1117936	49.415	ug/l	100
79) 2-Chlorotoluene	12.67	91	669711	50.536	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	828492	51.202	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	82668	40.689	ug/l	97
82) 4-Chlorotoluene	12.77	91	642205	48.447	ug/l	100
83) tert-Butylbenzene	12.99	119	683979	50.529	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	792342	45.854	ug/l	99
85) sec-Butylbenzene	13.17	105	922953	50.265	ug/l	99
86) p-Isopropyltoluene	13.29	119	767108	44.154	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	317570	44.233	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	307455	43.729	ug/l	98
89) n-Butylbenzene	13.62	91	662723	45.076	ug/l	100
90) Hexachloroethane	13.88	117	150362	45.976	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	319259	46.583	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	46419	43.632	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	98443	37.058	ug/l	96
94) Hexachlorobutadiene	15.01	225	83627	47.754	ug/l	99
95) Naphthalene	15.13	128	323755	37.776	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	104068	38.831	ug/l	99

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

