

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
 Data File : VN057028.D
 Acq On : 1 Aug 2019 11:22
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 11:17:54 AM

Quant Time: Aug 02 05:30:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	484720	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	704608	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	634494	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	272285	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	240127	48.40	ug/l	0.00
Spiked Amount						
			Recovery	=	96.80%	
35) Dibromofluoromethane	7.58	113	223792	49.61	ug/l	0.00
Spiked Amount						
			Recovery	=	99.22%	
50) Toluene-d8	10.08	98	843519	49.04	ug/l	0.00
Spiked Amount						
			Recovery	=	98.08%	
62) 4-Bromofluorobenzene	12.40	95	280064	50.01	ug/l	0.00
Spiked Amount						
			Recovery	=	100.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	260404	53.141	ug/l	97
3) Chloromethane	2.05	50	286815	48.879	ug/l	99
4) Vinyl Chloride	2.18	62	272335	49.497	ug/l	99
5) Bromomethane	2.54	94	164130	47.984	ug/l	97
6) Chloroethane	2.68	64	147482	48.625	ug/l	99
7) Trichlorofluoromethane	3.00	101	379667	52.715	ug/l	100
8) Diethyl Ether	3.40	74	141643	52.548	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	225684	50.541	ug/l	99
10) Methyl Iodide	3.94	142	333163	55.837	ug/l	99
11) Tert butyl alcohol	4.78	59	176336	262.923	ug/l	100
12) 1,1-Dichloroethene	3.72	96	219681	51.560	ug/l	100
13) Acrolein	3.59	56	157113	458.766	ug/l	98
14) Allyl chloride	4.31	41	358758	51.764	ug/l	99
15) Acrylonitrile	4.97	53	532703	270.849	ug/l	99
16) Acetone	3.81	43	469547	261.215	ug/l	99
17) Carbon Disulfide	4.04	76	544993	48.138	ug/l	99
18) Methyl Acetate	4.31	43	287113	50.069	ug/l	99
19) Methyl tert-butyl Ether	5.03	73	687488	54.115	ug/l	99
20) Methylene Chloride	4.54	84	255773	49.397	ug/l	96
21) trans-1,2-Dichloroethene	5.02	96	230292	50.893	ug/l	96
22) Diisopropyl ether	5.94	45	734796	51.457	ug/l	97
23) Vinyl Acetate	5.88	43	2649738	267.815	ug/l	99
24) 1,1-Dichloroethane	5.83	63	430891	51.143	ug/l	99
25) 2-Butanone	6.82	43	671608	263.487	ug/l	96
26) 2,2-Dichloropropane	6.81	77	337842	52.736	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	277449	51.841	ug/l	100
28) Bromochloromethane	7.18	49	175761	44.382	ug/l	97
29) Tetrahydrofuran	7.20	42	430923	259.118	ug/l	99
30) Chloroform	7.36	83	434900	50.486	ug/l	99
31) Cyclohexane	7.64	56	385070	47.231	ug/l	97
32) 1,1,1-Trichloroethane	7.56	97	366543	53.329	ug/l	99
36) 1,1-Dichloropropene	7.78	75	316407	51.033	ug/l	100
37) Ethyl Acetate	6.91	43	263017	52.967	ug/l	99
38) Carbon Tetrachloride	7.76	117	320648	54.674	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	398558	50.296	ug/l	99
40) Benzene	8.03	78	998121	52.268	ug/l	100
41) Methacrylonitrile	7.16	41	129118	56.246	ug/l	89
42) 1,2-Dichloroethane	8.11	62	319720	53.420	ug/l	99
43) Isopropyl Acetate	8.15	43	432885	52.743	ug/l	98
44) Trichloroethene	8.82	130	279376	53.103	ug/l	100
45) 1,2-Dichloropropane	9.11	63	268607	52.587	ug/l	99
46) Dibromomethane	9.20	93	168267	54.625	ug/l	98
47) Bromodichloromethane	9.39	83	336131	55.500	ug/l	99
48) Methyl methacrylate	9.19	41	214655	54.171	ug/l	98
49) 1,4-Dioxane	9.19	88	86537	1059.731	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1327661	272.253	ug/l	100
52) Toluene	10.15	92	618995	53.951	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	351681	55.957	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	404065	55.295	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	243422	52.904	ug/l	98
56) Ethyl methacrylate	10.42	69	352283	50.674	ug/l	99
57) 1,3-Dichloropropane	10.70	76	405498	53.147	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	616100	223.447	ug/l	99
59) 2-Hexanone	10.74	43	945923	251.863	ug/l	99
60) Dibromochloromethane	10.90	129	268399	56.937	ug/l	98
61) 1,2-Dibromoethane	11.00	107	251323	55.971	ug/l	99
64) Tetrachloroethene	10.63	164	286203	52.344	ug/l	99
65) Chlorobenzene	11.43	112	678329	52.454	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	256579	52.714	ug/l	100
67) Ethyl Benzene	11.50	91	1179544	52.775	ug/l	99
68) m/p-Xylenes	11.62	106	887929	107.647	ug/l	100
69) o-Xylene	11.94	106	433544	53.724	ug/l	97
70) Styrene	11.96	104	722002	50.595	ug/l	100
71) Bromoform	12.12	173	192775	56.728	ug/l #	99
73) Isopropylbenzene	12.25	105	1155836	49.117	ug/l	100
74) N-amyl acetate	12.07	43	351783	51.484	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	315971	53.291	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	263591m	47.669	ug/l	
77) Bromobenzene	12.52	156	301007	49.010	ug/l	98
78) n-propylbenzene	12.59	91	1267234	50.435	ug/l	99
79) 2-Chlorotoluene	12.67	91	759087	49.063	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	973187	50.389	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	96121	55.850	ug/l	100
82) 4-Chlorotoluene	12.77	91	744723	51.436	ug/l	99
83) tert-Butylbenzene	12.99	119	854166	49.959	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	956414	51.465	ug/l	100
85) sec-Butylbenzene	13.17	105	1099201	49.843	ug/l	99
86) p-Isopropyltoluene	13.29	119	1000680	51.109	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	482744	51.673	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	463178	51.501	ug/l	100
89) n-Butylbenzene	13.61	91	785761	52.072	ug/l	100
90) Hexachloroethane	13.87	117	170096	50.453	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	481208	52.336	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	51329	54.842	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	216834	45.946	ug/l	100
94) Hexachlorobutadiene	15.00	225	180171	56.531	ug/l	99
95) Naphthalene	15.12	128	565774	48.983	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	243864	50.841	ug/l	100

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

