

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083119\
 Data File : VN057609.D
 Acq On : 31 Aug 2019 00:16
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/31/2019 11:28:58 AM

Quant Time: Aug 31 01:41:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 11:59:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	432662	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	692826	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	710840	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	347149	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	366961	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	
35) Dibromofluoromethane	7.58	113	293840	47.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.90%	
50) Toluene-d8	10.08	98	1225060	55.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.86%	
62) 4-Bromofluorobenzene	12.40	95	430003	58.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.96%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	243438	50.073	ug/l	96
3) Chloromethane	2.06	50	226168	46.594	ug/l	98
4) Vinyl Chloride	2.18	62	351274	49.054	ug/l	97
5) Bromomethane	2.55	94	321335	52.111	ug/l	100
6) Chloroethane	2.70	64	238312	49.636	ug/l	98
7) Trichlorofluoromethane	3.01	101	764775	51.417	ug/l	99
8) Diethyl Ether	3.40	74	235452	47.643	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	3.74	101	441057	50.631	ug/l #	83
10) Methyl Iodide	3.93	142	729184	51.137	ug/l	93
11) Tert butyl alcohol	4.80	59	149098	213.498	ug/l	100
12) 1,1-Dichloroethene	3.72	96	423307	51.637	ug/l #	72
13) Acrolein	3.59	56	136424	228.144	ug/l	97
14) Allyl chloride	4.30	41	289977	48.326	ug/l #	84
15) Acrylonitrile	4.98	53	443648	256.574	ug/l	99
16) Acetone	3.81	43	608349	212.521	ug/l	96
17) Carbon Disulfide	4.03	76	453416	40.459	ug/l	99
18) Methyl Acetate	4.31	43	223786	57.235	ug/l #	88
19) Methyl tert-butyl Ether	5.03	73	742085	47.521	ug/l	91
20) Methylene Chloride	4.53	84	236705	44.637	ug/l #	83
21) trans-1,2-Dichloroethene	5.02	96	242945	47.375	ug/l	85
22) Diisopropyl ether	5.94	45	708771	52.691	ug/l #	92
23) Vinyl Acetate	5.88	43	2830467	269.280	ug/l #	91
24) 1,1-Dichloroethane	5.83	63	451457	50.970	ug/l	99
25) 2-Butanone	6.83	43	583517	258.254	ug/l #	83
26) 2,2-Dichloropropane	6.81	77	344717	38.118	ug/l	95
27) cis-1,2-Dichloroethene	6.81	96	309378	49.815	ug/l	80
28) Bromochloromethane	7.18	49	215618	57.911	ug/l #	59
29) Tetrahydrofuran	7.20	42	370599	262.276	ug/l #	76
30) Chloroform	7.36	83	538287	48.972	ug/l	97
31) Cyclohexane	7.64	56	401207	48.774	ug/l #	82
32) 1,1,1-Trichloroethane	7.56	97	488107	49.955	ug/l	95
36) 1,1-Dichloropropene	7.78	75	378089	50.448	ug/l	95
37) Ethyl Acetate	6.92	43	253501	51.051	ug/l #	94
38) Carbon Tetrachloride	7.76	117	411485	46.950	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	477775	50.104	ug/l #	86
40) Benzene	8.03	78	1166985	50.845	ug/l	98
41) Methacrylonitrile	7.17	41	119917	52.711	ug/l #	87
42) 1,2-Dichloroethane	8.11	62	429356	52.557	ug/l	98
43) Isopropyl Acetate	8.16	43	475099	51.259	ug/l #	92
44) Trichloroethene	8.82	130	327635	51.694	ug/l	84
45) 1,2-Dichloropropane	9.11	63	277616	51.762	ug/l	99
46) Dibromomethane	9.20	93	219802	52.263	ug/l #	88
47) Bromodichloromethane	9.40	83	439390	50.676	ug/l	99
48) Methyl methacrylate	9.19	41	223865	51.140	ug/l #	79
49) 1,4-Dioxane	9.20	88	82917	1037.943	ug/l #	74
51) 4-Methyl-2-Pentanone	9.98	43	1371945	276.955	ug/l	89
52) Toluene	10.15	92	812473	54.639	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	423112	50.495	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	453647	49.985	ug/l #	88
55) 1,1,2-Trichloroethane	10.56	97	305994	53.505	ug/l	95
56) Ethyl methacrylate	10.43	69	407708	53.560	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	495265	54.210	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	525506	294.248	ug/l #	85
59) 2-Hexanone	10.75	43	937065	273.989	ug/l	88
60) Dibromochloromethane	10.90	129	348251	53.385	ug/l	99
61) 1,2-Dibromoethane	11.00	107	332765	55.604	ug/l	97
64) Tetrachloroethene	10.63	164	338252	46.331	ug/l	93
65) Chlorobenzene	11.43	112	916782	51.383	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	339092	48.190	ug/l	98
67) Ethyl Benzene	11.51	91	1622880	51.795	ug/l	96
68) m/p-Xylenes	11.62	106	1261848	105.739	ug/l	89
69) o-Xylene	11.95	106	604253	50.422	ug/l	93
70) Styrene	11.96	104	999857	55.275	ug/l	95
71) Bromoform	12.13	173	228327	48.609	ug/l	99
73) Isopropylbenzene	12.25	105	1659499	52.025	ug/l	98
74) N-amyl acetate	12.07	43	401277	54.381	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.51	83	393425	55.496	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	331271m	52.010	ug/l	
77) Bromobenzene	12.53	156	393848	45.989	ug/l	70
78) n-propylbenzene	12.59	91	1746324	47.585	ug/l	95
79) 2-Chlorotoluene	12.67	91	1046571	45.783	ug/l	92
80) 1,3,5-Trimethylbenzene	12.73	105	1393491	47.936	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	92637	40.125	ug/l	96
82) 4-Chlorotoluene	12.77	91	1024932	48.326	ug/l	92
83) tert-Butylbenzene	12.99	119	1221758	55.652	ug/l	92
84) 1,2,4-Trimethylbenzene	13.04	105	1342273	50.485	ug/l	97
85) sec-Butylbenzene	13.17	105	1553906	48.631	ug/l	98
86) p-Isopropyltoluene	13.29	119	1377371	50.152	ug/l	95
87) 1,3-Dichlorobenzene	13.28	146	651284	52.365	ug/l	95
88) 1,4-Dichlorobenzene	13.36	146	614227	51.500	ug/l	96
89) n-Butylbenzene	13.62	91	1071874	51.520	ug/l	98
90) Hexachloroethane	13.88	117	227592	39.380	ug/l	83
91) 1,2-Dichlorobenzene	13.66	146	623514	53.714	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.27	75	58366	44.822	ug/l	69

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	217460	45.537	ug/l	97
94) Hexachlorobutadiene	15.01	225	195122	51.003	ug/l	98
95) Naphthalene	15.13	128	618047	53.808	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	213891	54.521	ug/l	99

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

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