

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081919\
 Data File : VN057412.D
 Acq On : 19 Aug 2019 19:59
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/21/2019 9:45:21 AM

Quant Time: Aug 20 09:00:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 11:33:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	818084	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1181805	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1092866	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	469604	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	408067	45.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.76%	
35) Dibromofluoromethane	7.58	113	377488	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
50) Toluene-d8	10.08	98	1400665	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
62) 4-Bromofluorobenzene	12.40	95	486887	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	303611	43.129	ug/l	95
3) Chloromethane	2.05	50	336986	40.556	ug/l	99
4) Vinyl Chloride	2.18	62	327827	41.937	ug/l	99
5) Bromomethane	2.53	94	247120m	44.348	ug/l	
6) Chloroethane	2.69	64	231303	43.016	ug/l	96
7) Trichlorofluoromethane	3.01	101	556425	45.379	ug/l	97
8) Diethyl Ether	3.40	74	204570	44.327	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	333124	46.241	ug/l	99
10) Methyl Iodide	3.95	142	560149	48.645	ug/l	99
11) Tert butyl alcohol	4.76	59	261900	207.144	ug/l	99
12) 1,1-Dichloroethene	3.73	96	324704	45.237	ug/l	98
13) Acrolein	3.60	56	100231	130.588	ug/l	99
14) Allyl chloride	4.31	41	487943	42.409	ug/l	97
15) Acrylonitrile	4.97	53	756375	220.354	ug/l	99
16) Acetone	3.80	43	575101	186.411	ug/l	98
17) Carbon Disulfide	4.05	76	817598	42.280	ug/l	98
18) Methyl Acetate	4.31	43	364634	43.940	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	1039449	46.152	ug/l	99
20) Methylene Chloride	4.54	84	379333	43.945	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	349453	45.272	ug/l	93
22) Diisopropyl ether	5.93	45	1007229	44.315	ug/l	99
23) Vinyl Acetate	5.88	43	4001124	218.732	ug/l	98
24) 1,1-Dichloroethane	5.83	63	625783	44.751	ug/l	99
25) 2-Butanone	6.82	43	905012	202.573	ug/l	96
26) 2,2-Dichloropropane	6.81	77	501733	44.397	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	419598	45.917	ug/l	98
28) Bromochloromethane	7.18	49	286458	46.106	ug/l #	93
29) Tetrahydrofuran	7.19	42	581904	205.815	ug/l	97
30) Chloroform	7.36	83	659697	45.018	ug/l	100
31) Cyclohexane	7.64	56	504171	41.605	ug/l	96
32) 1,1,1-Trichloroethane	7.56	97	586201	47.560	ug/l	98
36) 1,1-Dichloropropene	7.78	75	472848	45.315	ug/l	99
37) Ethyl Acetate	6.91	43	378359	44.271	ug/l	98
38) Carbon Tetrachloride	7.76	117	531973	49.068	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	545236	44.750	ug/l	99
40) Benzene	8.03	78	1475141	46.220	ug/l	99
41) Methacrylonitrile	7.17	41	217708m	56.566	ug/l	
42) 1,2-Dichloroethane	8.11	62	496699	47.022	ug/l	100
43) Isopropyl Acetate	8.15	43	784537	50.201	ug/l	97
44) Trichloroethene	8.83	130	433584	48.322	ug/l	99
45) 1,2-Dichloropropane	9.11	63	381569	46.383	ug/l	99
46) Dibromomethane	9.20	93	255942	46.636	ug/l	95
47) Bromodichloromethane	9.40	83	528907	48.641	ug/l	99
48) Methyl methacrylate	9.19	41	311353	44.241	ug/l	95
49) 1,4-Dioxane	9.19	88	134124	906.241	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1924344	218.258	ug/l	99
52) Toluene	10.15	92	951347	47.891	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	563563	47.914	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	619927	47.797	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	384708	49.250	ug/l	96
56) Ethyl methacrylate	10.42	69	544780	47.790	ug/l	98
57) 1,3-Dichloropropane	10.70	76	609942	46.741	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	589004	179.361	ug/l	98
59) 2-Hexanone	10.75	43	1367035	215.667	ug/l	98
60) Dibromochloromethane	10.90	129	446181	50.971	ug/l	99
61) 1,2-Dibromoethane	11.00	107	396971	47.707	ug/l	99
64) Tetrachloroethene	10.63	164	451258	47.764	ug/l	98
65) Chlorobenzene	11.43	112	1069807	47.996	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	422755	49.524	ug/l	100
67) Ethyl Benzene	11.51	91	1837742	47.126	ug/l	99
68) m/p-Xylenes	11.62	106	1400701	97.489	ug/l	99
69) o-Xylene	11.95	106	691073	48.987	ug/l	98
70) Styrene	11.96	104	1137395	50.579	ug/l	99
71) Bromoform	12.13	173	344527	51.159	ug/l #	99
73) Isopropylbenzene	12.25	105	1840230	49.226	ug/l	99
74) N-amyl acetate	12.07	43	530883	38.958	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	502580	47.965	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	416401m	44.837	ug/l	
77) Bromobenzene	12.53	156	497051	49.353	ug/l	95
78) n-propylbenzene	12.59	91	1974380	43.660	ug/l	100
79) 2-Chlorotoluene	12.67	91	1197642	48.365	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1557863	49.200	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	162887	42.295	ug/l	97
82) 4-Chlorotoluene	12.77	91	1168101	43.590	ug/l	98
83) tert-Butylbenzene	12.99	119	1380925	49.696	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1492544	44.127	ug/l	98
85) sec-Butylbenzene	13.17	105	1720668	48.385	ug/l	99
86) p-Isopropyltoluene	13.29	119	1573924	45.450	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	759956	46.188	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	707385	45.291	ug/l	100
89) n-Butylbenzene	13.62	91	1177622	47.701	ug/l	99
90) Hexachloroethane	13.88	117	290080	49.215	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	715226	46.631	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	65846	39.320	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	234276	39.459	ug/l	98
94) Hexachlorobutadiene	15.01	225	312083	53.375	ug/l	99
95) Naphthalene	15.13	128	471919	50.245	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	215090	50.488	ug/l	99

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

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