

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081919\
 Data File : VN057435.D
 Acq On : 20 Aug 2019 6:28
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/21/2019 9:45:51 AM

Quant Time: Aug 20 09:03:14 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	771758	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1141873	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1042584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	439305	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	401017	47.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.60%	
35) Dibromofluoromethane	7.58	113	366963	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
50) Toluene-d8	10.09	98	1372722	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.40	95	477171	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	290203	43.699	ug/l	99
3) Chloromethane	2.05	50	323785	41.307	ug/l	99
4) Vinyl Chloride	2.18	62	318710	43.218	ug/l	98
5) Bromomethane	2.53	94	240289m	45.711	ug/l	
6) Chloroethane	2.69	64	227943	44.936	ug/l	99
7) Trichlorofluoromethane	3.01	101	542963	46.939	ug/l	99
8) Diethyl Ether	3.40	74	204167	46.895	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	315994	46.496	ug/l	97
10) Methyl Iodide	3.95	142	550746	50.699	ug/l	99
11) Tert butyl alcohol	4.76	59	256915	215.399	ug/l	99
12) 1,1-Dichloroethene	3.73	96	316902	46.800	ug/l	98
13) Acrolein	3.60	56	102984	142.229	ug/l	98
14) Allyl chloride	4.31	41	459588	42.342	ug/l	98
15) Acrylonitrile	4.97	53	728113	224.853	ug/l	100
16) Acetone	3.80	43	554203	190.420	ug/l	99
17) Carbon Disulfide	4.05	76	789815	43.295	ug/l	99
18) Methyl Acetate	4.31	43	356298	45.603	ug/l	95
19) Methyl tert-butyl Ether	5.02	73	1010685	47.568	ug/l	99
20) Methylene Chloride	4.54	84	374919	46.041	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	341476	46.894	ug/l	96
22) Diisopropyl ether	5.93	45	980169	45.713	ug/l	99
23) Vinyl Acetate	5.88	43	3777907	218.926	ug/l	97
24) 1,1-Dichloroethane	5.83	63	621076	47.081	ug/l	99
25) 2-Butanone	6.82	43	875980	207.844	ug/l	96
26) 2,2-Dichloropropane	6.81	77	339584	31.853	ug/l	97
27) cis-1,2-Dichloroethene	6.82	96	411051	47.681	ug/l	95
28) Bromochloromethane	7.18	49	277272	47.306	ug/l #	92
29) Tetrahydrofuran	7.19	42	564772	211.746	ug/l	98
30) Chloroform	7.36	83	648561	46.915	ug/l	97
31) Cyclohexane	7.64	56	494527	43.259	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	577083	49.631	ug/l	98
36) 1,1-Dichloropropene	7.78	75	466199	46.241	ug/l	99
37) Ethyl Acetate	6.91	43	362599	43.911	ug/l	98
38) Carbon Tetrachloride	7.76	117	519213	49.565	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	526146	44.693	ug/l	98
40) Benzene	8.03	78	1450388	47.034	ug/l	99
41) Methacrylonitrile	7.17	41	195117m	52.470	ug/l	
42) 1,2-Dichloroethane	8.11	62	476538	46.691	ug/l	100
43) Isopropyl Acetate	8.15	43	759008	50.267	ug/l	98
44) Trichloroethene	8.83	130	417771	48.188	ug/l	100
45) 1,2-Dichloropropane	9.11	63	370050	46.556	ug/l	99
46) Dibromomethane	9.20	93	252917	47.696	ug/l	97
47) Bromodichloromethane	9.40	83	517053	49.213	ug/l	99
48) Methyl methacrylate	9.19	41	299312	44.017	ug/l	96
49) 1,4-Dioxane	9.19	88	133863	936.107	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	1856070	217.876	ug/l	98
52) Toluene	10.15	92	935728	48.752	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	518102	45.590	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	573119	45.734	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	366978	48.623	ug/l	98
56) Ethyl methacrylate	10.42	69	532884	48.381	ug/l	98
57) 1,3-Dichloropropane	10.70	76	597098	47.357	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	621937	194.475	ug/l	98
59) 2-Hexanone	10.75	43	1322561	215.947	ug/l	98
60) Dibromochloromethane	10.90	129	437196	51.691	ug/l	99
61) 1,2-Dibromoethane	11.00	107	387121	48.150	ug/l	98
64) Tetrachloroethene	10.63	164	440403	48.864	ug/l	98
65) Chlorobenzene	11.43	112	1045396	49.163	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	413280	50.749	ug/l	99
67) Ethyl Benzene	11.51	91	1787650	48.052	ug/l	100
68) m/p-Xylenes	11.62	106	1371530	100.063	ug/l	98
69) o-Xylene	11.95	106	674073	50.087	ug/l	99
70) Styrene	11.96	104	1111066	51.791	ug/l	99
71) Bromoform	12.13	173	338711	52.721	ug/l #	99
73) Isopropylbenzene	12.25	105	1794864	51.478	ug/l	98
74) N-amyl acetate	12.07	43	506177	39.707	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	484503	49.579	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	400381m	46.140	ug/l	
77) Bromobenzene	12.53	156	494938	52.678	ug/l	94
78) n-propylbenzene	12.59	91	1875262	44.328	ug/l	99
79) 2-Chlorotoluene	12.67	91	1173750	50.787	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1503989	50.850	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	137347	38.123	ug/l	98
82) 4-Chlorotoluene	12.77	91	1123298	44.809	ug/l	98
83) tert-Butylbenzene	12.99	119	1360261	52.498	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1437391	45.427	ug/l	98
85) sec-Butylbenzene	13.17	105	1650914	49.665	ug/l	99
86) p-Isopropyltoluene	13.29	119	1474949	45.530	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	734058	47.691	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	682206	46.691	ug/l	100
89) n-Butylbenzene	13.62	91	1094987	47.413	ug/l	99
90) Hexachloroethane	13.88	117	288205	52.421	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	689661	48.066	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	63271	40.389	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	223782	40.178	ug/l	99
94) Hexachlorobutadiene	15.01	225	290716	53.129	ug/l	96
95) Naphthalene	15.13	128	443369	50.400	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	202628	50.767	ug/l	99

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

