

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081619\
 Data File : VN057344.D
 Acq On : 15 Aug 2019 20:19
 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
 8/19/2019 1:54:13 AM

Quant Time: Aug 16 14:02:30 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	879721	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1302864	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1185281	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	476667	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	461722	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
35) Dibromofluoromethane	7.58	113	419928	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
50) Toluene-d8	10.09	98	1554196	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
62) 4-Bromofluorobenzene	12.40	95	528698	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	347001	45.839	ug/l	99
3) Chloromethane	2.06	50	400670	44.842	ug/l	100
4) Vinyl Chloride	2.18	62	391183	46.535	ug/l	98
5) Bromomethane	2.54	94	284024m	47.400	ug/l	
6) Chloroethane	2.69	64	270876	46.846	ug/l	96
7) Trichlorofluoromethane	3.02	101	628073	47.633	ug/l	99
8) Diethyl Ether	3.40	74	240744	48.510	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	368979	47.630	ug/l	99
10) Methyl Iodide	3.95	142	623737	50.372	ug/l	99
11) Tert butyl alcohol	4.76	59	308210	226.693	ug/l	100
12) 1,1-Dichloroethene	3.73	96	371195	48.091	ug/l	98
13) Acrolein	3.60	56	172993	209.596	ug/l	100
14) Allyl chloride	4.32	41	526332	42.540	ug/l	93
15) Acrylonitrile	4.97	53	881281	238.754	ug/l	100
16) Acetone	3.80	43	675323	203.559	ug/l	98
17) Carbon Disulfide	4.05	76	960504	46.190	ug/l	98
18) Methyl Acetate	4.31	43	427317	48.114	ug/l	99
19) Methyl tert-butyl Ether	5.03	73	1172175	48.398	ug/l	100
20) Methylene Chloride	4.54	84	429356	46.255	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	395586	47.658	ug/l	96
22) Diisopropyl ether	5.94	45	1163230	47.593	ug/l	99
23) Vinyl Acetate	5.88	43	4675337	237.682	ug/l	98
24) 1,1-Dichloroethane	5.84	63	714807	47.536	ug/l	99
25) 2-Butanone	6.82	43	1077776	224.341	ug/l	97
26) 2,2-Dichloropropane	6.81	77	531200	43.711	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	467700	47.594	ug/l	99
28) Bromochloromethane	7.18	49	325388	48.702	ug/l #	98
29) Tetrahydrofuran	7.20	42	699828	230.181	ug/l	99
30) Chloroform	7.36	83	740307	46.979	ug/l	99
31) Cyclohexane	7.64	56	592121	45.439	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	659984	49.795	ug/l	99
36) 1,1-Dichloropropene	7.79	75	538463	46.809	ug/l	99
37) Ethyl Acetate	6.91	43	457259	48.532	ug/l	99
38) Carbon Tetrachloride	7.77	117	577576	48.324	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	630349	46.928	ug/l	99
40) Benzene	8.03	78	1661310	47.217	ug/l	99
41) Methacrylonitrile	7.17	41	226230m	53.319	ug/l	
42) 1,2-Dichloroethane	8.12	62	552526	47.447	ug/l	99
43) Isopropyl Acetate	8.15	43	917959	53.351	ug/l	96
44) Trichloroethene	8.83	130	473676	47.885	ug/l	97
45) 1,2-Dichloropropane	9.11	63	436923	48.176	ug/l	99
46) Dibromomethane	9.20	93	290260	47.974	ug/l	100
47) Bromodichloromethane	9.40	83	587274	48.990	ug/l	98
48) Methyl methacrylate	9.19	41	366799	47.276	ug/l	98
49) 1,4-Dioxane	9.19	88	149905	918.755	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	2263861	232.908	ug/l	100
52) Toluene	10.15	92	1059505	48.379	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	624060	48.128	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	686613	48.020	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	417084	48.433	ug/l	99
56) Ethyl methacrylate	10.43	69	620465	49.372	ug/l	98
57) 1,3-Dichloropropane	10.71	76	679667	47.245	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	704146	193.102	ug/l	99
59) 2-Hexanone	10.75	43	1599818	228.940	ug/l	99
60) Dibromochloromethane	10.90	129	480142	49.754	ug/l	99
61) 1,2-Dibromoethane	11.00	107	442380	48.224	ug/l	100
64) Tetrachloroethene	10.63	164	489635	47.786	ug/l	100
65) Chlorobenzene	11.43	112	1159621	47.969	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	446948	48.276	ug/l	98
67) Ethyl Benzene	11.51	91	2027052	47.928	ug/l	100
68) m/p-Xylenes	11.62	106	1531063	98.254	ug/l	99
69) o-Xylene	11.95	106	752784	49.201	ug/l	99
70) Styrene	11.96	104	1224161	50.193	ug/l	99
71) Bromoform	12.13	173	361568	49.504	ug/l #	99
73) Isopropylbenzene	12.25	105	1992013	52.738	ug/l	99
74) N-amyl acetate	12.07	43	606499	43.848	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	557197	52.843	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	461953m	49.185	ug/l	
77) Bromobenzene	12.53	156	528671	51.822	ug/l	98
78) n-propylbenzene	12.59	91	2076227	45.232	ug/l	100
79) 2-Chlorotoluene	12.67	91	1291171	51.523	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1664200	51.903	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	175863	44.988	ug/l	99
82) 4-Chlorotoluene	12.77	91	1230222	45.228	ug/l	99
83) tert-Butylbenzene	12.99	119	1484253	52.811	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1584505	46.151	ug/l	100
85) sec-Butylbenzene	13.17	105	1813972	50.313	ug/l	100
86) p-Isopropyltoluene	13.29	119	1594007	45.348	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	790568	47.337	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	733925	46.293	ug/l	99
89) n-Butylbenzene	13.62	91	1202973	48.006	ug/l	100
90) Hexachloroethane	13.88	117	315260	52.867	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	746290	47.936	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	76764	45.161	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	251722	41.456	ug/l	99
94) Hexachlorobutadiene	15.01	225	314815	53.014	ug/l	98
95) Naphthalene	15.13	128	502751	52.021	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	232173	52.975	ug/l	100

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

