

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080519\
 Data File : VN057088.D
 Acq On : 5 Aug 2019 17:34
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/7/2019 4:09:48 AM

Quant Time: Aug 06 02:26:53 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	7.66	168	451473	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	651961	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	587765	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	246971	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	240638	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
35) Dibromofluoromethane	7.58	113	220721	52.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.76%	
50) Toluene-d8	10.08	98	819949	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	
62) 4-Bromofluorobenzene	12.40	95	274811	53.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	223499	48.969	ug/l	97
3) Chloromethane	2.05	50	237864	43.522	ug/l	100
4) Vinyl Chloride	2.18	62	229518	44.787	ug/l	100
5) Bromomethane	2.54	94	132776	41.676	ug/l	98
6) Chloroethane	2.69	64	126771	44.875	ug/l	100
7) Trichlorofluoromethane	3.00	101	336408	50.148	ug/l	100
8) Diethyl Ether	3.40	74	127321	50.713	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	198495	47.726	ug/l	98
10) Methyl Iodide	3.94	142	256298	46.118	ug/l	98
11) Tert butyl alcohol	4.77	59	156564	250.633	ug/l	97
12) 1,1-Dichloroethene	3.72	96	190685	48.051	ug/l	99
13) Acrolein	3.59	56	63945	199.041	ug/l	97
14) Allyl chloride	4.31	41	309518	47.948	ug/l	97
15) Acrylonitrile	4.97	53	475729	259.693	ug/l	99
16) Acetone	3.81	43	379242	226.514	ug/l	100
17) Carbon Disulfide	4.04	76	434766	41.230	ug/l	100
18) Methyl Acetate	4.31	43	264474	49.518	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	624252	52.756	ug/l	96
20) Methylene Chloride	4.54	84	226750	47.017	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	199298	47.287	ug/l	98
22) Diisopropyl ether	5.94	45	657803	49.458	ug/l	97
23) Vinyl Acetate	5.88	43	2335063	253.390	ug/l	98
24) 1,1-Dichloroethane	5.83	63	385954	49.183	ug/l	100
25) 2-Butanone	6.82	43	582083	245.181	ug/l	97
26) 2,2-Dichloropropane	6.81	77	301097	50.461	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	245521	49.253	ug/l	99
28) Bromochloromethane	7.18	49	176227	47.776	ug/l	98
29) Tetrahydrofuran	7.20	42	380728	245.794	ug/l	99
30) Chloroform	7.36	83	395955	49.350	ug/l	100
31) Cyclohexane	7.64	56	326931	43.053	ug/l	97
32) 1,1,1-Trichloroethane	7.56	97	332622	51.958	ug/l	98
36) 1,1-Dichloropropene	7.78	75	278858	48.609	ug/l	99
37) Ethyl Acetate	6.92	43	234606	51.060	ug/l	98
38) Carbon Tetrachloride	7.76	117	289301	53.313	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	336358	45.874	ug/l	100
40) Benzene	8.03	78	873187	49.418	ug/l	100
41) Methacrylonitrile	7.16	41	112627	53.024	ug/l	92
42) 1,2-Dichloroethane	8.11	62	289598	52.295	ug/l	98
43) Isopropyl Acetate	8.16	43	424050	55.839	ug/l #	89
44) Trichloroethene	8.83	130	244940	50.317	ug/l	99
45) 1,2-Dichloropropane	9.11	63	235927	49.919	ug/l	99
46) Dibromomethane	9.20	93	151015	52.983	ug/l	98
47) Bromodichloromethane	9.39	83	302639	54.005	ug/l	99
48) Methyl methacrylate	9.19	41	193843	52.869	ug/l	99
49) 1,4-Dioxane	9.19	88	79386	1050.663	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1170056	259.310	ug/l	100
52) Toluene	10.15	92	545063	51.343	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	315057	54.178	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	360742	53.353	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	220005	51.676	ug/l	98
56) Ethyl methacrylate	10.42	69	316693	49.283	ug/l	99
57) 1,3-Dichloropropane	10.70	76	363852	51.539	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	506675	198.600	ug/l	98
59) 2-Hexanone	10.74	43	830388	239.083	ug/l	100
60) Dibromochloromethane	10.90	129	247172	56.668	ug/l	99
61) 1,2-Dibromoethane	11.00	107	225030	54.162	ug/l	99
64) Tetrachloroethene	10.63	164	252376	49.827	ug/l	98
65) Chlorobenzene	11.43	112	605254	50.524	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	238211	52.832	ug/l	99
67) Ethyl Benzene	11.51	91	1042194	50.337	ug/l	99
68) m/p-Xylenes	11.62	106	782175	102.365	ug/l	100
69) o-Xylene	11.94	106	386404	51.689	ug/l	99
70) Styrene	11.96	104	639731	48.475	ug/l	100
71) Bromoform	12.12	173	177264	56.311	ug/l #	99
73) Isopropylbenzene	12.25	105	1033203	48.406	ug/l	100
74) N-amyl acetate	12.07	43	313940	50.655	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	288253	53.614	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	236735m	47.200	ug/l	
77) Bromobenzene	12.52	156	277216	49.763	ug/l	97
78) n-propylbenzene	12.59	91	1114111	48.886	ug/l	99
79) 2-Chlorotoluene	12.67	91	670810	47.802	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	865150	49.386	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	84511	54.138	ug/l	100
82) 4-Chlorotoluene	12.77	91	647625	49.314	ug/l	99
83) tert-Butylbenzene	12.99	119	771895	49.775	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	850205	50.440	ug/l	100
85) sec-Butylbenzene	13.17	105	971640	48.575	ug/l	99
86) p-Isopropyltoluene	13.29	119	889764	50.102	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	423605	49.990	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	401604	49.231	ug/l	100
89) n-Butylbenzene	13.61	91	666914	48.726	ug/l	99
90) Hexachloroethane	13.87	117	157353	51.457	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	417449	50.055	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45556	53.662	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	171018	40.306	ug/l	99
94) Hexachlorobutadiene	15.00	225	158996	54.904	ug/l	98
95) Naphthalene	15.12	128	445521	42.998	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	196140	45.315	ug/l	100

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

