

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN072719\
 Data File : VN056954.D
 Acq On : 26 Jul 2019 20:32
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 8/5/2019 11:50:32 AM

Quant Time: Aug 03 00:30:43 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	7.65	168	577608	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	869260	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	777066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	329183	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	317580	53.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.42%	
35) Dibromofluoromethane	7.58	113	290205	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
50) Toluene-d8	10.08	98	1095098	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
62) 4-Bromofluorobenzene	12.39	95	361579	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	310179	53.119	ug/l	100
3) Chloromethane	2.05	50	365069	52.210	ug/l	100
4) Vinyl Chloride	2.18	62	338500	51.629	ug/l	100
5) Bromomethane	2.54	94	196410	48.187	ug/l	98
6) Chloroethane	2.69	64	183745	50.839	ug/l	99
7) Trichlorofluoromethane	3.00	101	432021	50.337	ug/l	98
8) Diethyl Ether	3.40	74	170066	52.947	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	259524	48.773	ug/l	99
10) Methyl Iodide	3.94	142	350502	49.296	ug/l	99
11) Tert butyl alcohol	4.77	59	208625	261.043	ug/l #	85
12) 1,1-Dichloroethene	3.72	96	261859	51.576	ug/l	99
13) Acrolein	3.59	56	94697	230.793	ug/l	99
14) Allyl chloride	4.31	41	424517	51.402	ug/l	99
15) Acrylonitrile	4.97	53	632257	269.770	ug/l	99
16) Acetone	3.80	43	467882	218.430	ug/l	99
17) Carbon Disulfide	4.04	76	674298	49.981	ug/l	99
18) Methyl Acetate	4.31	43	341384	49.959	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	803347	53.066	ug/l	98
20) Methylene Chloride	4.53	84	303753	49.229	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	278520	51.653	ug/l	99
22) Diisopropyl ether	5.93	45	894203	52.550	ug/l	99
23) Vinyl Acetate	5.88	43	3193718	270.886	ug/l	100
24) 1,1-Dichloroethane	5.83	63	516884	51.484	ug/l	99
25) 2-Butanone	6.82	43	768379	252.974	ug/l	100
26) 2,2-Dichloropropane	6.81	77	350253	45.881	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	326480	51.192	ug/l	99
28) Bromochloromethane	7.18	49	244021	51.709	ug/l	99
29) Tetrahydrofuran	7.20	42	529884	267.385	ug/l	100
30) Chloroform	7.36	83	507727	49.462	ug/l	99
31) Cyclohexane	7.64	56	469365	48.312	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	425678	51.973	ug/l	100
36) 1,1-Dichloropropene	7.78	75	381475	49.873	ug/l	100
37) Ethyl Acetate	6.91	43	323248	52.766	ug/l	99
38) Carbon Tetrachloride	7.76	117	373091	51.567	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	475503	48.640	ug/l	99
40) Benzene	8.03	78	1186606	50.368	ug/l	99
41) Methacrylonitrile	7.16	41	157593	55.647	ug/l	91
42) 1,2-Dichloroethane	8.11	62	367341	49.751	ug/l	100
43) Isopropyl Acetate	8.15	43	526376	51.986	ug/l	98
44) Trichloroethene	8.82	130	322925	49.754	ug/l	98
45) 1,2-Dichloropropane	9.11	63	317552	50.394	ug/l	100
46) Dibromomethane	9.20	93	199455	52.485	ug/l	99
47) Bromodichloromethane	9.39	83	389521	52.133	ug/l	100
48) Methyl methacrylate	9.19	41	257435	52.662	ug/l	99
49) 1,4-Dioxane	9.19	88	106718	1059.325	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	1587302	263.842	ug/l	100
52) Toluene	10.15	92	726406	51.320	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	401444	51.776	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	473819	52.559	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	288134	50.760	ug/l	99
56) Ethyl methacrylate	10.42	69	417294	48.726	ug/l	99
57) 1,3-Dichloropropane	10.70	76	482517	51.262	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	842918	247.803	ug/l	100
59) 2-Hexanone	10.74	43	1100943	237.755	ug/l	100
60) Dibromochloromethane	10.89	129	312933	53.810	ug/l	99
61) 1,2-Dibromoethane	11.00	107	292741	52.846	ug/l	99
64) Tetrachloroethene	10.62	164	325942	48.675	ug/l	99
65) Chlorobenzene	11.43	112	780691	49.293	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	298045	49.999	ug/l	99
67) Ethyl Benzene	11.50	91	1372141	50.129	ug/l	100
68) m/p-Xylenes	11.61	106	1018985	100.870	ug/l	100
69) o-Xylene	11.94	106	496119	50.198	ug/l	99
70) Styrene	11.96	104	834878	47.875	ug/l	100
71) Bromoform	12.12	173	222652	53.499	ug/l	99
73) Isopropylbenzene	12.24	105	1329167	46.720	ug/l	100
74) N-amyl acetate	12.06	43	418548	50.668	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	378698	52.807	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	337893m	50.544	ug/l	
77) Bromobenzene	12.52	156	350441	47.197	ug/l	100
78) n-propylbenzene	12.59	91	1445982	47.602	ug/l	99
79) 2-Chlorotoluene	12.67	91	867976	46.404	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1106178	47.375	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	103543	49.764	ug/l	99
82) 4-Chlorotoluene	12.77	91	836818	47.807	ug/l	99
83) tert-Butylbenzene	12.99	119	969315	46.895	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	1090229	48.526	ug/l	100
85) sec-Butylbenzene	13.17	105	1252067	46.961	ug/l	100
86) p-Isopropyltoluene	13.28	119	1124161	47.491	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	554042	49.054	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	527441	48.510	ug/l	100
89) n-Butylbenzene	13.61	91	900771	49.376	ug/l	99
90) Hexachloroethane	13.87	117	195387	47.937	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	554692	49.900	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	57532	50.844	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	268172	46.940	ug/l	99
94) Hexachlorobutadiene	15.00	225	198144	51.103	ug/l	98
95) Naphthalene	15.12	128	625269	45.085	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	265389	45.970	ug/l	99

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

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