

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056724.D
 Acq On : 15 Jul 2019 19:55
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 1:31:43 AM

Quant Time: Jul 16 05:18:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 01:25:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	344755	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	526010	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	478178	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	224936	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	185388	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
35) Dibromofluoromethane	7.59	113	163595	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
50) Toluene-d8	10.09	98	634579	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
62) 4-Bromofluorobenzene	12.40	95	221434	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	149156	46.075	ug/l	100
3) Chloromethane	2.06	50	198424	45.591	ug/l	100
4) Vinyl Chloride	2.18	62	199687	47.645	ug/l	100
5) Bromomethane	2.56	94	121989	49.495	ug/l	98
6) Chloroethane	2.70	64	113697	46.553	ug/l	99
7) Trichlorofluoromethane	3.01	101	251884	46.837	ug/l	98
8) Diethyl Ether	3.41	74	104805	49.985	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	155120	48.009	ug/l	100
10) Methyl Iodide	3.95	142	209743	48.533	ug/l	99
11) Tert butyl alcohol	4.79	59	147500	232.375	ug/l	99
12) 1,1-Dichloroethene	3.73	96	156602	48.320	ug/l	99
13) Acrolein	3.61	56	55837	257.229	ug/l	99
14) Allyl chloride	4.32	41	270993	48.351	ug/l	100
15) Acrylonitrile	4.99	53	453426	247.359	ug/l	100
16) Acetone	3.82	43	348318	198.208	ug/l	100
17) Carbon Disulfide	4.05	76	413975	48.337	ug/l	99
18) Methyl Acetate	4.33	43	188248	47.650	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	503748	48.783	ug/l	98
20) Methylene Chloride	4.55	84	182992	47.650	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	169564	49.496	ug/l	94
22) Diisopropyl ether	5.95	45	548559	49.585	ug/l	98
23) Vinyl Acetate	5.90	43	2307601	257.407	ug/l	100
24) 1,1-Dichloroethane	5.85	63	311867	48.623	ug/l	100
25) 2-Butanone	6.84	43	593822	231.127	ug/l	99
26) 2,2-Dichloropropane	6.82	77	212744	46.001	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	196259	49.787	ug/l	100
28) Bromochloromethane	7.19	49	149302	49.508	ug/l	99
29) Tetrahydrofuran	7.21	42	407782	243.345	ug/l	98
30) Chloroform	7.37	83	309642	48.243	ug/l	99
31) Cyclohexane	7.65	56	292885	48.043	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	253736	49.987	ug/l	99
36) 1,1-Dichloropropene	7.79	75	238613	49.022	ug/l	100
37) Ethyl Acetate	6.93	43	246692	51.422	ug/l	99
38) Carbon Tetrachloride	7.77	117	220668	48.342	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	291989	48.582	ug/l	97
40) Benzene	8.04	78	721699	48.390	ug/l	99
41) Methacrylonitrile	7.18	41	119035m	56.487	ug/l	
42) 1,2-Dichloroethane	8.12	62	230227	48.843	ug/l	100
43) Isopropyl Acetate	8.17	43	380656	50.472	ug/l	100
44) Trichloroethene	8.84	130	196386	48.490	ug/l	99
45) 1,2-Dichloropropane	9.12	63	194561	49.095	ug/l	99
46) Dibromomethane	9.21	93	122076	49.708	ug/l	99
47) Bromodichloromethane	9.40	83	236242	50.622	ug/l	98
48) Methyl methacrylate	9.20	41	183179	50.222	ug/l	98
49) 1,4-Dioxane	9.20	88	64523	862.147	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1210244	247.759	ug/l	100
52) Toluene	10.16	92	444830	50.222	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	255285	52.432	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	291331	51.563	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	179574	48.337	ug/l	99
56) Ethyl methacrylate	10.43	69	282156	52.785	ug/l	99
57) 1,3-Dichloropropane	10.71	76	299879	49.423	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	644959	250.912	ug/l	100
59) 2-Hexanone	10.75	43	879014	250.789	ug/l	99
60) Dibromochloromethane	10.90	129	190195	52.056	ug/l	99
61) 1,2-Dibromoethane	11.00	107	187881	50.888	ug/l	100
64) Tetrachloroethene	10.63	164	192484	46.659	ug/l	99
65) Chlorobenzene	11.43	112	482509	49.349	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	177421	49.284	ug/l	99
67) Ethyl Benzene	11.51	91	846466	49.262	ug/l	98
68) m/p-Xylenes	11.62	106	638306	99.398	ug/l	100
69) o-Xylene	11.95	106	304402	48.216	ug/l	97
70) Styrene	11.96	104	527125	51.644	ug/l	100
71) Bromoform	12.13	173	140320	51.228	ug/l #	97
73) Isopropylbenzene	12.25	105	811084	44.720	ug/l	100
74) N-amyl acetate	12.07	43	315399	46.694	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	261646	49.812	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	228693m	46.485	ug/l	
77) Bromobenzene	12.53	156	217114	45.767	ug/l	98
78) n-propylbenzene	12.59	91	925147	45.947	ug/l	100
79) 2-Chlorotoluene	12.67	91	546740	49.109	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	684343	44.520	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	77071	48.381	ug/l	97
82) 4-Chlorotoluene	12.77	91	548295	46.402	ug/l	99
83) tert-Butylbenzene	12.99	119	587910	49.035	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	693954	46.211	ug/l	99
85) sec-Butylbenzene	13.17	105	787102	46.081	ug/l	100
86) p-Isopropyltoluene	13.29	119	712980	46.078	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	369655	47.548	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	357594	47.287	ug/l	99
89) n-Butylbenzene	13.61	91	615395	49.374	ug/l	99
90) Hexachloroethane	13.87	117	113782	45.472	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	363579	45.726	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45713	47.004	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	207798	47.504	ug/l	99
94) Hexachlorobutadiene	15.01	225	117872	47.110	ug/l	99
95) Naphthalene	15.13	128	567249	47.334	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	209339	48.132	ug/l	98

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

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