

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041519\
 Data File : VN055066.D
 Acq On : 16 Apr 2019 1:44
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 10:06:09 AM

Quant Time: Apr 16 07:40:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	379135	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	637013	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	561046	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	249772	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	255857	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
35) Dibromofluoromethane	7.59	113	207853	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
50) Toluene-d8	10.09	98	766574	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	
62) 4-Bromofluorobenzene	12.40	95	266789	53.86	ug/l	0.00
Spiked Amount			Recovery	=	107.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	211766	49.148	ug/l	99
3) Chloromethane	2.06	50	278385	49.536	ug/l	99
4) Vinyl Chloride	2.19	62	229330	48.550	ug/l	99
5) Bromomethane	2.55	94	125830	47.088	ug/l	99
6) Chloroethane	2.70	64	126851	49.798	ug/l	96
7) Trichlorofluoromethane	3.02	101	284885	48.225	ug/l	100
8) Diethyl Ether	3.41	74	92261	48.927	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	144881	46.864	ug/l	99
10) Methyl Iodide	3.94	142	225440	46.991	ug/l	99
11) Tert butyl alcohol	4.82	59	58820	212.930	ug/l	99
12) 1,1-Dichloroethene	3.73	96	143214	47.592	ug/l	96
13) Acrolein	3.61	56	76942	225.340	ug/l	100
14) Allyl chloride	4.31	41	366372	49.739	ug/l	100
15) Acrylonitrile	4.99	53	414243	250.639	ug/l	99
16) Acetone	3.82	43	255854	187.048	ug/l	99
17) Carbon Disulfide	4.04	76	452934	46.627	ug/l	99
18) Methyl Acetate	4.33	43	200937	50.978	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	546103	50.731	ug/l	99
20) Methylene Chloride	4.54	84	227930	47.402	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	202038	49.641	ug/l	93
22) Diisopropyl ether	5.96	45	784142	51.785	ug/l	99
23) Vinyl Acetate	5.90	43	2741316	273.892	ug/l	99
24) 1,1-Dichloroethane	5.84	63	407598	50.548	ug/l	99
25) 2-Butanone	6.84	43	488884	239.473	ug/l	99
26) 2,2-Dichloropropane	6.82	77	229258	45.047	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	232882	50.577	ug/l	98
28) Bromochloromethane	7.19	49	193048	49.665	ug/l	100
29) Tetrahydrofuran	7.22	42	329168	245.877	ug/l	99
30) Chloroform	7.37	83	392424	50.102	ug/l	99
31) Cyclohexane	7.65	56	368939	51.797	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	319079	51.419	ug/l	99
36) 1,1-Dichloropropene	7.79	75	284076	47.306	ug/l	99
37) Ethyl Acetate	6.94	43	221198	45.246	ug/l	99
38) Carbon Tetrachloride	7.77	117	265769	46.518	ug/l	98

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39) Methylcyclohexane	9.08	83	301108	46.273	ug/l	98
40) Benzene	8.04	78	882783	48.777	ug/l	99
41) Methacrylonitrile	7.18	41	141211	52.035	ug/l	94
42) 1,2-Dichloroethane	8.12	62	304695	48.490	ug/l	99
43) Isopropyl Acetate	8.17	43	375557	49.855	ug/l	99
44) Trichloroethene	8.83	130	224112	49.438	ug/l	97
45) 1,2-Dichloropropane	9.12	63	246778	48.892	ug/l	98
46) Dibromomethane	9.21	93	139098	48.417	ug/l	97
47) Bromodichloromethane	9.40	83	291462	49.207	ug/l	98
48) Methyl methacrylate	9.20	41	190940	51.139	ug/l	99
49) 1,4-Dioxane	9.20	88	31975	914.069	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1083110	248.877	ug/l	100
52) Toluene	10.15	92	524639	50.613	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	271867	52.521	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	338338	52.663	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	197229	49.385	ug/l	99
56) Ethyl methacrylate	10.43	69	261486	54.557	ug/l	99
57) 1,3-Dichloropropane	10.71	76	342748	50.407	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	492868	234.806	ug/l	99
59) 2-Hexanone	10.75	43	670945	245.457	ug/l	100
60) Dibromochloromethane	10.90	129	201396	51.643	ug/l	100
61) 1,2-Dibromoethane	11.00	107	186336	50.692	ug/l	98
64) Tetrachloroethene	10.63	164	208597	45.723	ug/l	96
65) Chlorobenzene	11.43	112	547479	48.478	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	205193	49.401	ug/l	100
67) Ethyl Benzene	11.51	91	992092	49.192	ug/l	100
68) m/p-Xylenes	11.62	106	738529	101.126	ug/l	100
69) o-Xylene	11.95	106	363127	51.337	ug/l	100
70) Styrene	11.96	104	615061	53.718	ug/l	100
71) Bromoform	12.13	173	126094	52.963	ug/l #	100
73) Isopropylbenzene	12.25	105	946551	42.707	ug/l	100
74) N-amyl acetate	12.07	43	308493	49.444	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	244395	41.209	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	197273m	43.921	ug/l	
77) Bromobenzene	12.53	156	241291	43.668	ug/l	98
78) n-propylbenzene	12.59	91	1063285	44.402	ug/l	100
79) 2-Chlorotoluene	12.67	91	660009	44.188	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	792760	44.322	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	49579	44.141	ug/l	97
82) 4-Chlorotoluene	12.77	91	642409	46.100	ug/l	98
83) tert-Butylbenzene	12.99	119	670123	44.363	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	791769	46.710	ug/l	100
85) sec-Butylbenzene	13.17	105	856884	44.519	ug/l	100
86) p-Isopropyltoluene	13.29	119	759555	45.997	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	399162	47.526	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	384609	48.022	ug/l	99
89) n-Butylbenzene	13.61	91	613687	50.061	ug/l	100
90) Hexachloroethane	13.87	117	120664	44.908	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	391568	46.338	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32734	44.822	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	176915	46.389	ug/l	99
94) Hexachlorobutadiene	15.01	225	122435	46.909	ug/l	99
95) Naphthalene	15.13	128	392469	44.178	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	178908	54.881	ug/l	100

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

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