

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056751.D
 Acq On : 16 Jul 2019 7:09
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 1:31:52 AM

Quant Time: Jul 16 09:17:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	319030	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	513351	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	464101	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	218028	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	180441	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
35) Dibromofluoromethane	7.59	113	160004	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
50) Toluene-d8	10.09	98	615283	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
62) 4-Bromofluorobenzene	12.40	95	212859	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	140038	46.747	ug/l	99
3) Chloromethane	2.06	50	189262	46.992	ug/l	99
4) Vinyl Chloride	2.18	62	190747	49.181	ug/l	100
5) Bromomethane	2.56	94	113860	49.922	ug/l	100
6) Chloroethane	2.70	64	109450	48.428	ug/l	100
7) Trichlorofluoromethane	3.01	101	239553	48.136	ug/l	98
8) Diethyl Ether	3.41	74	98609	50.822	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	143903	48.129	ug/l	100
10) Methyl Iodide	3.95	142	184836	46.218	ug/l	100
11) Tert butyl alcohol	4.78	59	136298	232.041	ug/l	99
12) 1,1-Dichloroethene	3.74	96	148430	49.492	ug/l	98
13) Acrolein	3.61	56	49966	249.095	ug/l	100
14) Allyl chloride	4.33	41	244284	47.100	ug/l	100
15) Acrylonitrile	4.99	53	431668	254.478	ug/l	99
16) Acetone	3.82	43	331915	204.103	ug/l	100
17) Carbon Disulfide	4.05	76	389856	49.192	ug/l	100
18) Methyl Acetate	4.33	43	186014	50.948	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	479983	50.230	ug/l	98
20) Methylene Chloride	4.55	84	176356	49.625	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	163018	51.422	ug/l	98
22) Diisopropyl ether	5.95	45	529322	51.705	ug/l	98
23) Vinyl Acetate	5.90	43	2135793	257.453	ug/l	100
24) 1,1-Dichloroethane	5.85	63	299965	50.538	ug/l	99
25) 2-Butanone	6.84	43	562004	236.381	ug/l	100
26) 2,2-Dichloropropane	6.82	77	133108	31.102	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	187002	51.264	ug/l	96
28) Bromochloromethane	7.19	49	142948	51.223	ug/l	100
29) Tetrahydrofuran	7.21	42	390532	251.843	ug/l	98
30) Chloroform	7.37	83	291534	49.084	ug/l	99
31) Cyclohexane	7.65	56	277831	49.249	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	244295	52.008	ug/l	99
36) 1,1-Dichloropropene	7.80	75	224237	47.204	ug/l	100
37) Ethyl Acetate	6.93	43	227440	48.578	ug/l	98
38) Carbon Tetrachloride	7.78	117	211706	47.522	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	270145	46.056	ug/l	100
40) Benzene	8.04	78	692700	47.591	ug/l	100
41) Methacrylonitrile	7.17	41	96541m	46.943	ug/l	
42) 1,2-Dichloroethane	8.12	62	218782	47.560	ug/l	99
43) Isopropyl Acetate	8.17	43	377735	51.320	ug/l	98
44) Trichloroethene	8.84	130	189621	47.974	ug/l	98
45) 1,2-Dichloropropane	9.12	63	187643	48.517	ug/l	99
46) Dibromomethane	9.21	93	117622	49.076	ug/l	99
47) Bromodichloromethane	9.40	83	225725	49.561	ug/l	98
48) Methyl methacrylate	9.20	41	181567	51.008	ug/l	99
49) 1,4-Dioxane	9.20	88	58501	800.958	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	1153102	241.882	ug/l	100
52) Toluene	10.16	92	428188	49.535	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	223514	47.038	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	260439	47.232	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	171215	47.224	ug/l	99
56) Ethyl methacrylate	10.43	69	267935	51.361	ug/l	99
57) 1,3-Dichloropropane	10.71	76	290329	49.029	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	627686	250.214	ug/l	100
59) 2-Hexanone	10.75	43	829096	242.380	ug/l	99
60) Dibromochloromethane	10.90	129	181668	50.949	ug/l	99
61) 1,2-Dibromoethane	11.00	107	182979	50.783	ug/l	99
64) Tetrachloroethene	10.63	164	191164	47.744	ug/l	98
65) Chlorobenzene	11.43	112	456318	48.086	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	171077	48.963	ug/l	99
67) Ethyl Benzene	11.51	91	809728	48.553	ug/l	100
68) m/p-Xylenes	11.62	106	605767	97.192	ug/l	99
69) o-Xylene	11.95	106	291513	47.575	ug/l	98
70) Styrene	11.96	104	504838	50.961	ug/l	100
71) Bromoform	12.12	173	136058	51.179	ug/l #	99
73) Isopropylbenzene	12.25	105	771696	43.897	ug/l	100
74) N-amyl acetate	12.07	43	296041	45.217	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	248172	48.700	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	215078m	45.103	ug/l	
77) Bromobenzene	12.53	156	212909	46.303	ug/l	95
78) n-propylbenzene	12.59	91	866791	44.413	ug/l	100
79) 2-Chlorotoluene	12.67	91	522466	48.391	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	651922	43.754	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	64085	41.504	ug/l	97
82) 4-Chlorotoluene	12.77	91	519258	45.337	ug/l	99
83) tert-Butylbenzene	12.99	119	558065	47.990	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	654156	44.941	ug/l	99
85) sec-Butylbenzene	13.17	105	740080	44.701	ug/l	99
86) p-Isopropyltoluene	13.29	119	667500	44.505	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	345986	45.913	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	338507	46.181	ug/l	100
89) n-Butylbenzene	13.61	91	560760	46.416	ug/l	99
90) Hexachloroethane	13.87	117	108916	44.907	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	347338	45.067	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44549	47.258	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	189560	44.925	ug/l	99
94) Hexachlorobutadiene	15.01	225	110326	45.445	ug/l	99
95) Naphthalene	15.13	128	509669	44.207	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	188709	44.996	ug/l	98

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

