

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041919\
 Data File : VN055167.D
 Acq On : 20 Apr 2019 3:36
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/22/2019 10:07:48 AM

Quant Time: Apr 20 05:58:57 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	7.67	168	490664	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	759549	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	582969	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	230569	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	307539	47.15	ug/l	0.00
Spiked Amount			Recovery	=	94.30%	
35) Dibromofluoromethane	7.59	113	250835	49.41	ug/l	0.00
Spiked Amount			Recovery	=	98.82%	
50) Toluene-d8	10.09	98	884848	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
62) 4-Bromofluorobenzene	12.40	95	259269	43.90	ug/l	0.00
Spiked Amount			Recovery	=	87.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	190108	34.093	ug/l	99
3) Chloromethane	2.06	50	245645	33.775	ug/l	99
4) Vinyl Chloride	2.19	62	204189	33.402	ug/l	97
5) Bromomethane	2.55	94	105928	30.630	ug/l	98
6) Chloroethane	2.70	64	112029	33.983	ug/l	96
7) Trichlorofluoromethane	3.02	101	302199	39.528	ug/l	98
8) Diethyl Ether	3.41	74	122241	50.090	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	180507	45.116	ug/l	98
10) Methyl Iodide	3.95	142	274421	44.199	ug/l	94
11) Tert butyl alcohol	4.79	59	96285	269.327	ug/l	100
12) 1,1-Dichloroethene	3.74	96	181660	46.646	ug/l	90
13) Acrolein	3.61	56	83713	189.442	ug/l	95
14) Allyl chloride	4.33	41	365590	38.351	ug/l	99
15) Acrylonitrile	4.99	53	475044	222.094	ug/l	99
16) Acetone	3.82	43	359888	203.301	ug/l	93
17) Carbon Disulfide	4.06	76	413523	32.894	ug/l	99
18) Methyl Acetate	4.33	43	241053	47.222	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	598774	42.981	ug/l	98
20) Methylene Chloride	4.55	84	226121	36.337	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	193878	36.809	ug/l	98
22) Diisopropyl ether	5.95	45	814616	41.569	ug/l	96
23) Vinyl Acetate	5.90	43	2891718	223.247	ug/l	99
24) 1,1-Dichloroethane	5.85	63	412154	39.495	ug/l	99
25) 2-Butanone	6.84	43	583728	220.938	ug/l	99
26) 2,2-Dichloropropane	6.83	77	196268	29.799	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	234774	39.398	ug/l	96
28) Bromochloromethane	7.19	49	202424	40.240	ug/l	99
29) Tetrahydrofuran	7.22	42	395304	228.161	ug/l	100
30) Chloroform	7.37	83	392753	38.746	ug/l	99
31) Cyclohexane	7.65	56	346192	37.203	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	323420	40.272	ug/l	100
36) 1,1-Dichloropropene	7.80	75	278908	38.953	ug/l	99
37) Ethyl Acetate	6.93	43	254032	43.579	ug/l	98
38) Carbon Tetrachloride	7.77	117	267010	39.196	ug/l	98

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39) Methylcyclohexane	9.08	83	278559	35.902	ug/l	98
40) Benzene	8.04	78	875965	40.592	ug/l	99
41) Methacrylonitrile	7.18	41	148572	45.915	ug/l	95
42) 1,2-Dichloroethane	8.13	62	310468	41.438	ug/l	100
43) Isopropyl Acetate	8.17	43	457548	50.940	ug/l	99
44) Trichloroethene	8.83	130	217909	40.315	ug/l	99
45) 1,2-Dichloropropane	9.12	63	252769	42.000	ug/l	98
46) Dibromomethane	9.21	93	145775	42.555	ug/l	99
47) Bromodichloromethane	9.40	83	299838	42.455	ug/l	100
48) Methyl methacrylate	9.20	41	211371	47.478	ug/l	98
49) 1,4-Dioxane	9.20	88	48820	1170.466	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1259115	242.645	ug/l	100
52) Toluene	10.16	92	510009	41.264	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	282558	45.780	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	331648	43.294	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	203452	42.725	ug/l	99
56) Ethyl methacrylate	10.43	69	282362	49.409	ug/l	99
57) 1,3-Dichloropropane	10.71	76	351852	43.398	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	467059	188.817	ug/l	98
59) 2-Hexanone	10.75	43	788522	241.933	ug/l	100
60) Dibromochloromethane	10.90	129	212847	45.774	ug/l	98
61) 1,2-Dibromoethane	11.01	107	195741	44.660	ug/l	99
64) Tetrachloroethene	10.63	164	210726	44.452	ug/l	98
65) Chlorobenzene	11.43	112	520365	44.344	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	208858	48.392	ug/l	99
67) Ethyl Benzene	11.51	91	951671	45.413	ug/l	100
68) m/p-Xylenes	11.62	106	687342	90.577	ug/l	100
69) o-Xylene	11.95	106	341167	46.418	ug/l	99
70) Styrene	11.96	104	573255	48.184	ug/l	99
71) Bromoform	12.13	173	134231	54.261	ug/l #	99
73) Isopropylbenzene	12.25	105	900808	44.028	ug/l	99
74) N-amyl acetate	12.07	43	332868	57.795	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	259361	47.374	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	210653m	50.806	ug/l	
77) Bromobenzene	12.53	156	222644	43.649	ug/l	98
78) n-propylbenzene	12.59	91	993678	44.952	ug/l	100
79) 2-Chlorotoluene	12.67	91	617647	44.796	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	734531	44.487	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	54206	52.280	ug/l	94
82) 4-Chlorotoluene	12.77	91	593330	46.124	ug/l	100
83) tert-Butylbenzene	12.99	119	629643	45.155	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	721639	46.119	ug/l	99
85) sec-Butylbenzene	13.17	105	801825	45.128	ug/l	99
86) p-Isopropyltoluene	13.29	119	695708	45.639	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	357731	46.141	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	350641	47.427	ug/l	99
89) n-Butylbenzene	13.61	91	532703	47.074	ug/l	99
90) Hexachloroethane	13.87	117	120317	48.508	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	365097	46.803	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37152	55.108	ug/l	96

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93) 1,2,4-Trichlorobenzene	14.91	180	147363	42.120	ug/l	98
94) Hexachlorobutadiene	15.01	225	109603	45.490	ug/l	99
95) Naphthalene	15.13	128	343592	42.056	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	155893	51.803	ug/l	99

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

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