

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051419\
 Data File : VN055593.D
 Acq On : 14 May 2019 15:01
 Operator : JC/SP
 Sample : K2840-05MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 KR-02 4-14MS

Manual Integrations
 APPROVED

MMDadoda
 5/16/2019 1:27:30 PM

Quant Time: May 15 07:52:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051419W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 07:28:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	731700	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1252579	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1088939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	452015	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	523890	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	
35) Dibromofluoromethane	7.59	113	417595	51.16	ug/l	0.00
Spiked Amount			Recovery	=	102.32%	
50) Toluene-d8	10.09	98	1622096	52.02	ug/l	0.00
Spiked Amount			Recovery	=	104.04%	
62) 4-Bromofluorobenzene	12.40	95	539683	54.02	ug/l	0.00
Spiked Amount			Recovery	=	108.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	349202	46.765	ug/l	99
3) Chloromethane	2.06	50	536440	46.177	ug/l	98
4) Vinyl Chloride	2.19	62	526626	46.512	ug/l	100
5) Bromomethane	2.55	94	304645	46.069	ug/l	100
6) Chloroethane	2.70	64	318984	46.480	ug/l	99
7) Trichlorofluoromethane	3.01	101	592854	46.977	ug/l	98
8) Diethyl Ether	3.41	74	268986	47.703	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	374800	47.177	ug/l	98
10) Methyl Iodide	3.94	142	534836	52.800	ug/l	99
11) Tert butyl alcohol	4.81	59	300536	228.853	ug/l	98
12) 1,1-Dichloroethene	3.73	96	385093	48.408	ug/l	99
13) Acrolein	3.60	56	316498	240.206	ug/l	98
14) Allyl chloride	4.32	41	742301	48.433	ug/l	99
15) Acrylonitrile	4.99	53	1100605	249.580	ug/l	99
16) Acetone	3.82	43	830728	177.696	ug/l	99
17) Carbon Disulfide	4.05	76	1094238	48.001	ug/l	99
18) Methyl Acetate	4.33	43	438634	50.036	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1226180	49.372	ug/l	99
20) Methylene Chloride	4.55	84	461787	46.932	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	416163	48.127	ug/l	99
22) Diisopropyl ether	5.96	45	1528268	49.646	ug/l	98
23) Vinyl Acetate	5.90	43	5983224	259.402	ug/l	100
24) 1,1-Dichloroethane	5.85	63	826020	48.315	ug/l	99
25) 2-Butanone	6.84	43	1393955	227.509	ug/l	99
26) 2,2-Dichloropropane	6.82	77	547462	49.580	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	479396	47.854	ug/l	99
28) Bromochloromethane	7.19	49	989267	119.134	ug/l	98
29) Tetrahydrofuran	7.22	42	968536	243.837	ug/l	99
30) Chloroform	7.37	83	772097	48.258	ug/l	98
31) Cyclohexane	7.65	56	792616	46.588	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	604547	48.797	ug/l	100
36) 1,1-Dichloropropene	7.79	75	597332	47.964	ug/l	99
37) Ethyl Acetate	6.93	43	579872	49.695	ug/l	99
38) Carbon Tetrachloride	7.77	117	495501	47.925	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	716396	48.848	ug/l	99
40) Benzene	8.04	78	1835762	48.269	ug/l	100
41) Methacrylonitrile	7.18	41	318050	59.795	ug/l	94
42) 1,2-Dichloroethane	8.12	62	611407	48.206	ug/l	99
43) Isopropyl Acetate	8.17	43	917247	50.122	ug/l	100
44) Trichloroethene	8.83	130	445117	48.665	ug/l	99
45) 1,2-Dichloropropane	9.12	63	516920	49.314	ug/l	98
46) Dibromomethane	9.21	93	297851	48.113	ug/l	100
47) Bromodichloromethane	9.40	83	582785	49.384	ug/l	98
48) Methyl methacrylate	9.20	41	440374	49.260	ug/l	98
49) 1,4-Dioxane	9.20	88	154420	945.142	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2866669	249.314	ug/l	100
52) Toluene	10.16	92	1089655	50.008	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	597467	52.810	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	701917	51.670	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	423274	48.589	ug/l	99
56) Ethyl methacrylate	10.43	69	625086	51.492	ug/l	99
57) 1,3-Dichloropropane	10.71	76	750810	49.858	ug/l	100
59) 2-Hexanone	10.75	43	1897137	239.175	ug/l	100
60) Dibromochloromethane	10.90	129	411130	51.885	ug/l	99
61) 1,2-Dibromoethane	11.00	107	415293	50.459	ug/l	100
64) Tetrachloroethene	10.63	164	420415	48.333	ug/l	98
65) Chlorobenzene	11.43	112	1103060	48.814	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	388100	50.102	ug/l	100
67) Ethyl Benzene	11.51	91	2027179	50.019	ug/l	100
68) m/p-Xylenes	11.62	106	1488642	100.490	ug/l	100
69) o-Xylene	11.95	106	724927	50.286	ug/l	99
70) Stvrene	11.96	104	1219926	53.211	ug/l	99
71) Bromoform	12.13	173	269064	53.290	ug/l #	99
73) Isopropylbenzene	12.25	105	1914207	43.333	ug/l	100
74) N-amyl acetate	12.07	43	718336	46.079	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	600041	52.566	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	519306m	46.434	ug/l	
77) Bromobenzene	12.53	156	442670	50.240	ug/l	99
78) n-propylbenzene	12.59	91	2180495	46.296	ug/l	100
79) 2-Chlorotoluene	12.67	91	1314854	43.888	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1606693	46.014	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	148349	47.181	ug/l	99
82) 4-Chlorotoluene	12.77	91	1284936	46.171	ug/l	100
83) tert-Butylbenzene	12.99	119	1342386	44.289	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1533533	47.556	ug/l	100
85) sec-Butylbenzene	13.17	105	1781671	45.642	ug/l	100
86) p-Isopropyltoluene	13.29	119	1529272	48.316	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	738495	47.207	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	714271	46.406	ug/l	100
89) n-Butylbenzene	13.61	91	1184408	50.720	ug/l	99
90) Hexachloroethane	13.87	117	241855	49.372	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	721936	46.179	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	89009	47.184	ug/l	99
93) 1,2,4-Trichlorobenzene	14.91	180	277209	44.018	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	220421	51.276	ug/l	100
95) Naphthalene	15.13	128	726430	43.301	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	298707	44.558	ug/l	100

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

