

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055443.D
 Acq On : 7 May 2019 17:35
 Operator : JC/SP
 Sample : K2658-24MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-PZ-W4-5MSD

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 10:22:27 AM

Quant Time: May 08 07:05:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	360897	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	583690	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	515296	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	228131	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	256101	54.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.48%	
35) Dibromofluoromethane	7.59	113	195857	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
50) Toluene-d8	10.09	98	698702	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
62) 4-Bromofluorobenzene	12.40	95	251945	58.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	203183	45.951	ug/l	100
3) Chloromethane	2.06	50	237337	43.347	ug/l	100
4) Vinyl Chloride	2.19	62	199836	45.278	ug/l	100
5) Bromomethane	2.56	94	109634	46.896	ug/l	98
6) Chloroethane	2.70	64	112735	47.151	ug/l	99
7) Trichlorofluoromethane	3.02	101	302830	48.253	ug/l	97
8) Diethyl Ether	3.41	74	124843	56.858	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	187446	50.157	ug/l	99
10) Methyl Iodide	3.96	142	247650	47.087	ug/l	99
11) Tert butyl alcohol	4.79	59	118172	437.172	ug/l	99
12) 1,1-Dichloroethene	3.74	96	172461	48.375	ug/l	98
13) Acrolein	3.61	56	67919	321.735	ug/l	99
14) Allyl chloride	4.33	41	395750	53.599	ug/l	98
15) Acrylonitrile	4.99	53	512908	337.576	ug/l	99
16) Acetone	3.82	43	391906	266.401	ug/l	99
17) Carbon Disulfide	4.06	76	424788	45.657	ug/l	99
18) Methyl Acetate	4.33	43	242777	68.121	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	615892	61.452	ug/l	99
20) Methylene Chloride	4.55	84	217509	48.440	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	182294	48.281	ug/l	98
22) Diisopropyl ether	5.95	45	842327	57.416	ug/l	98
23) Vinyl Acetate	5.90	43	2796636	290.861	ug/l	100
24) 1,1-Dichloroethane	5.85	63	412751	52.804	ug/l	98
25) 2-Butanone	6.84	43	650942	345.995	ug/l	99
26) 2,2-Dichloropropane	6.83	77	269433	49.917	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	228403	53.196	ug/l	99
28) Bromochloromethane	7.20	49	200726	50.945	ug/l	97
29) Tetrahydrofuran	7.21	42	438235	363.775	ug/l	99
30) Chloroform	7.37	83	396002	53.443	ug/l	99
31) Cyclohexane	7.65	56	346998	46.724	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	318129	52.900	ug/l	99
36) 1,1-Dichloropropene	7.80	75	268620	48.046	ug/l	100
37) Ethyl Acetate	6.93	43	257333	60.056	ug/l	98
38) Carbon Tetrachloride	7.78	117	265751	49.276	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	298300	50.183	ug/l	95
40) Benzene	8.04	78	833251	50.557	ug/l	100
41) Methacrylonitrile	7.18	41	148287	63.737	ug/l	98
42) 1,2-Dichloroethane	8.13	62	310183	53.137	ug/l	99
43) Isopropyl Acetate	8.17	43	454301	65.974	ug/l	98
44) Trichloroethene	8.84	130	210454	50.089	ug/l	99
45) 1,2-Dichloropropane	9.12	63	252338	53.084	ug/l	100
46) Dibromomethane	9.21	93	141382	54.413	ug/l	99
47) Bromodichloromethane	9.40	83	299219	53.680	ug/l	96
48) Methyl methacrylate	9.20	41	222723	65.793	ug/l	98
49) 1,4-Dioxane	9.20	88	54915	1569.259	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1414227	364.775	ug/l	99
52) Toluene	10.16	92	493577	52.194	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	294259	60.811	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	338919	56.176	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	201222	57.302	ug/l	99
56) Ethyl methacrylate	10.43	69	296512	68.601	ug/l	100
57) 1,3-Dichloropropane	10.71	76	351831	57.112	ug/l	100
59) 2-Hexanone	10.75	43	910167	375.207	ug/l	99
60) Dibromochloromethane	10.90	129	213500	59.487	ug/l	99
61) 1,2-Dibromoethane	11.01	107	190947	58.830	ug/l	97
64) Tetrachloroethene	10.63	164	194225	46.091	ug/l	99
65) Chlorobenzene	11.43	112	513728	50.992	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	203124	51.490	ug/l	100
67) Ethyl Benzene	11.51	91	1015852	55.838	ug/l	100
68) m/p-Xylenes	11.62	106	698433	107.553	ug/l	100
69) o-Xylene	11.95	106	356921	55.453	ug/l	99
70) Styrene	11.96	104	579863	58.675	ug/l	100
71) Bromoform	12.13	173	138161	63.116	ug/l #	97
73) Isopropylbenzene	12.25	105	1081642	60.234	ug/l	99
74) N-amyl acetate	12.07	43	374155	63.907	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	272685	61.029	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	226845m	53.682	ug/l	
77) Bromobenzene	12.53	156	226418	52.121	ug/l	96
78) n-propylbenzene	12.59	91	1331046	56.800	ug/l	100
79) 2-Chlorotoluene	12.68	91	658802	53.470	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1962926	109.754	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	65034	54.023	ug/l	93
82) 4-Chlorotoluene	12.77	91	641837	47.106	ug/l	98
83) tert-Butylbenzene	12.99	119	808808	64.750	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	3679536	230.041	ug/l	99
85) sec-Butylbenzene	13.17	105	1371838	70.571	ug/l	94
86) p-Isopropyltoluene	13.29	119	879320	55.036	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	383799	50.276	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	373606	51.969	ug/l	99
89) n-Butylbenzene	13.61	91	819107m	72.148	ug/l	
90) Hexachloroethane	13.88	117	204834	81.977	ug/l	66
91) 1,2-Dichlorobenzene	13.65	146	387551	51.222	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	49726	82.853	ug/l	86
93) 1,2,4-Trichlorobenzene	14.91	180	190894	63.071	ug/l #	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	133950	59.359	ug/l	96
95) Naphthalene	15.13	128	434154	67.238	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	196260	65.934	ug/l	97

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

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