

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\
 Data File : VN056205.D
 Acq On : 11 Jun 2019 7:16
 Operator : JC/SP
 Sample : K3255-14MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE123D1-20190605MS

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 11:58:35 AM

Quant Time: Jun 11 09:18:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	271759	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	392125	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	358416	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	160466	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	141936	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	
35) Dibromofluoromethane	7.59	113	130124	54.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.18%	
50) Toluene-d8	10.09	98	479650	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
62) 4-Bromofluorobenzene	12.40	95	161295	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	134700	45.152	ug/l 99
3) Chloromethane	2.06	50	145900	49.527	ug/l 99
4) Vinyl Chloride	2.18	62	144894	49.034	ug/l 99
5) Bromomethane	2.52	94	71013	38.043	ug/l 98
6) Chloroethane	2.67	64	76755	44.800	ug/l 98
7) Trichlorofluoromethane	3.00	101	185290	49.118	ug/l 99
8) Diethyl Ether	3.40	74	72584	46.788	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	111951	48.854	ug/l 98
10) Methyl Iodide	3.93	142	165368	45.411	ug/l 100
11) Tert butyl alcohol	4.82	59	119329	254.124	ug/l 100
12) 1,1-Dichloroethene	3.72	96	112444	49.288	ug/l 96
13) Acrolein	3.60	56	37271	275.210	ug/l 99
14) Allyl chloride	4.31	41	168237	46.701	ug/l 99
15) Acrylonitrile	4.99	53	333247	291.538	ug/l 99
16) Acetone	3.82	43	274800	212.936	ug/l 98
17) Carbon Disulfide	4.03	76	251462	46.035	ug/l 100
18) Methyl Acetate	4.33	43	97417	38.294	ug/l 98
19) Methyl tert-butyl Ether	5.05	73	364881	50.176	ug/l 98
20) Methylene Chloride	4.54	84	136116	51.194	ug/l 96
21) trans-1,2-Dichloroethene	5.03	96	120434	49.269	ug/l 97
22) Diisopropyl ether	5.95	45	372174	49.978	ug/l 97
23) Vinyl Acetate	5.89	43	954592	162.780	ug/l 99
24) 1,1-Dichloroethane	5.84	63	218234	50.805	ug/l 99
25) 2-Butanone	6.84	43	433785	266.037	ug/l 99
26) 2,2-Dichloropropane	6.82	77	75098	22.405	ug/l 91
27) cis-1,2-Dichloroethene	6.82	96	143005	49.770	ug/l 93
28) Bromochloromethane	7.19	49	106045	52.204	ug/l 96
29) Tetrahydrofuran	7.21	42	282371	280.156	ug/l 99
30) Chloroform	7.37	83	225114	52.095	ug/l 98
31) Cyclohexane	7.65	56	189914	44.355	ug/l 96
32) 1,1,1-Trichloroethane	7.57	97	185010	51.271	ug/l 100
36) 1,1-Dichloropropene	7.79	75	159148	47.201	ug/l 99
37) Ethyl Acetate	6.93	43	114811	38.270	ug/l 99
38) Carbon Tetrachloride	7.77	117	160205	51.537	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	187682	44.684	ug/l	99
40) Benzene	8.04	78	518119	50.594	ug/l	100
41) Methacrylonitrile	7.17	41	81995	59.404	ug/l	97
42) 1,2-Dichloroethane	8.12	62	165032	50.100	ug/l	99
43) Isopropyl Acetate	8.17	43	199595	41.057	ug/l #	92
44) Trichloroethene	8.83	130	179379	60.958	ug/l	97
45) 1,2-Dichloropropane	9.12	63	134599	51.313	ug/l	97
46) Dibromomethane	9.21	93	90621	52.831	ug/l	97
47) Bromodichloromethane	9.40	83	169969	54.673	ug/l	97
48) Methyl methacrylate	9.20	41	128425	53.998	ug/l	97
49) 1,4-Dioxane	9.20	88	57551	1120.850	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	843311	277.396	ug/l	100
52) Toluene	10.15	92	324566	50.933	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	150458	41.698	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	178334	47.723	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	135245	53.579	ug/l	99
56) Ethyl methacrylate	10.43	69	194532	52.826	ug/l	98
57) 1,3-Dichloropropane	10.71	76	216905	52.859	ug/l	99
59) 2-Hexanone	10.75	43	586004	265.955	ug/l	99
60) Dibromochloromethane	10.90	129	145914	52.294	ug/l	99
61) 1,2-Dibromoethane	11.00	107	139624	54.107	ug/l	97
64) Tetrachloroethene	10.63	164	148287	47.796	ug/l	96
65) Chlorobenzene	11.43	112	354836	49.744	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	134329	54.539	ug/l	99
67) Ethyl Benzene	11.51	91	605920	48.851	ug/l	98
68) m/p-Xylenes	11.62	106	469126	99.008	ug/l	98
69) o-Xylene	11.95	106	231888	49.752	ug/l	99
70) Stvrene	11.96	104	381393	51.502	ug/l	99
71) Bromoform	12.13	173	107850	52.038	ug/l #	100
73) Isopropylbenzene	12.25	105	598325	52.428	ug/l	99
74) N-amyl acetate	12.07	43	133194	31.139	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	185749	49.864	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	156910m	53.142	ug/l	
77) Bromobenzene	12.53	156	168302	48.988	ug/l	93
78) n-propylbenzene	12.59	91	630174	46.421	ug/l	99
79) 2-Chlorotoluene	12.67	91	390289	51.922	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	494502	45.834	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	35229	39.734	ug/l	88
82) 4-Chlorotoluene	12.77	91	375226	47.245	ug/l	100
83) tert-Butylbenzene	12.99	119	443737	53.181	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	485210	47.424	ug/l	99
85) sec-Butylbenzene	13.17	105	556043	46.251	ug/l	99
86) p-Isopropyltoluene	13.29	119	490328	45.572	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	258188	48.557	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	246845	48.260	ug/l	99
89) n-Butylbenzene	13.61	91	347893	43.648	ug/l	99
90) Hexachloroethane	13.87	117	83341	51.362	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	263278	49.043	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30264	56.801	ug/l	92
93) 1,2,4-Trichlorobenzene	14.91	180	121805	41.928	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	93153	50.619	ug/l	99
95) Naphthalene	15.13	128	329174	43.436	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	138792	46.276	ug/l	100

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

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