

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061319\
 Data File : VN056296.D
 Acq On : 13 Jun 2019 21:05
 Operator : JC/SP
 Sample : K3345-09MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5_061219MS

Manual Integrations
 APPROVED

MMDadoda
 6/14/2019 9:36:46 AM

Quant Time: Jun 14 02:33:30 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	314614	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	485562	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	432982	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	183496	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	184011	58.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.82%	
35) Dibromofluoromethane	7.59	113	164743	55.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.60%	
50) Toluene-d8	10.09	98	598977	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
62) 4-Bromofluorobenzene	12.40	95	201733	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	167038	48.340	ug/l	100
3) Chloromethane	2.06	50	179456	52.620	ug/l	98
4) Vinyl Chloride	2.18	62	182690	53.403	ug/l	98
5) Bromomethane	2.53	94	82291	38.080	ug/l	100
6) Chloroethane	2.68	64	106456	53.672	ug/l	99
7) Trichlorofluoromethane	3.00	101	232206	53.170	ug/l	99
8) Diethyl Ether	3.40	74	94142	52.419	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	144657	54.528	ug/l	98
10) Methyl Iodide	3.94	142	137924	32.715	ug/l	100
11) Tert butyl alcohol	4.82	59	154501	284.209	ug/l	100
12) 1,1-Dichloroethene	3.72	96	142490	53.950	ug/l	98
13) Acrolein	3.60	56	36131	230.451	ug/l	97
14) Allyl chloride	4.31	41	233279	55.936	ug/l	97
15) Acrylonitrile	4.99	53	434349	328.227	ug/l	99
16) Acetone	3.82	43	355425	237.895	ug/l	99
17) Carbon Disulfide	4.04	76	310366	49.079	ug/l	100
18) Methyl Acetate	4.33	43	177094	60.465	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	479306	56.933	ug/l	94
20) Methylene Chloride	4.54	84	172983	56.198	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	148522	52.484	ug/l	97
22) Diisopropyl ether	5.96	45	499863	57.982	ug/l	98
23) Vinyl Acetate	5.90	43	1727242	254.415	ug/l	100
24) 1,1-Dichloroethane	5.84	63	290846	58.486	ug/l	99
25) 2-Butanone	6.84	43	568982	301.420	ug/l	98
26) 2,2-Dichloropropane	6.82	77	144666	37.281	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	181362	54.521	ug/l	98
28) Bromochloromethane	7.19	49	143801	61.147	ug/l	94
29) Tetrahydrofuran	7.22	42	383132	328.348	ug/l	98
30) Chloroform	7.37	83	292118	58.393	ug/l	100
31) Cyclohexane	7.65	56	256073	51.660	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	236002	56.494	ug/l	98
36) 1,1-Dichloropropene	7.79	75	203840	48.822	ug/l	99
37) Ethyl Acetate	6.94	43	194871	52.457	ug/l	98
38) Carbon Tetrachloride	7.77	117	199846	51.918	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	250034	48.074	ug/l	100
40) Benzene	8.04	78	658590	51.936	ug/l	100
41) Methacrylonitrile	7.18	41	115405	67.520	ug/l	97
42) 1,2-Dichloroethane	8.12	62	217631	53.354	ug/l	100
43) Isopropyl Acetate	8.17	43	314911	52.312	ug/l #	92
44) Trichloroethene	8.83	130	179944	49.383	ug/l	100
45) 1,2-Dichloropropane	9.12	63	182068	56.053	ug/l	100
46) Dibromomethane	9.21	93	116441	54.821	ug/l	97
47) Bromodichloromethane	9.40	83	222225	57.727	ug/l	99
48) Methyl methacrylate	9.20	41	176099	59.794	ug/l	97
49) 1,4-Dioxane	9.20	88	70761	1112.932	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1136920	302.010	ug/l	99
52) Toluene	10.16	92	407063	51.587	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	210791	46.862	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	245120	52.973	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	174453	55.813	ug/l	98
56) Ethyl methacrylate	10.43	69	258028	56.585	ug/l	99
57) 1,3-Dichloropropane	10.71	76	285182	56.125	ug/l	99
59) 2-Hexanone	10.75	43	781891	286.572	ug/l	100
60) Dibromochloromethane	10.90	129	179377	51.934	ug/l	99
61) 1,2-Dibromoethane	11.00	107	178003	55.706	ug/l	98
64) Tetrachloroethene	10.63	164	160597	42.849	ug/l	99
65) Chlorobenzene	11.43	112	447028	51.876	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	166296	55.890	ug/l	99
67) Ethyl Benzene	11.51	91	1076258	71.827	ug/l	100
68) m/p-Xylenes	11.62	106	686641	119.958	ug/l	99
69) o-Xylene	11.95	106	284388	50.508	ug/l	99
70) Stvrene	11.96	104	476558	53.270	ug/l	100
71) Bromoform	12.13	173	132712	52.955	ug/l #	100
73) Isopropylbenzene	12.25	105	822582	63.546	ug/l	100
74) N-amyl acetate	12.07	43	234935	48.031	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	245628	57.663	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	212503m	62.938	ug/l	
77) Bromobenzene	12.53	156	201168	51.206	ug/l	99
78) n-propylbenzene	12.59	91	873913	56.296	ug/l	100
79) 2-Chlorotoluene	12.67	91	505801	59.168	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	643704	52.174	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	53168	52.440	ug/l	89
82) 4-Chlorotoluene	12.77	91	475226	52.326	ug/l	99
83) tert-Butylbenzene	12.99	119	546371	57.485	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	757259	64.725	ug/l	100
85) sec-Butylbenzene	13.17	105	706902	51.420	ug/l	100
86) p-Isopropyltoluene	13.29	119	620908	50.465	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	312287	51.360	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	297523	50.867	ug/l	99
89) n-Butylbenzene	13.61	91	462183	50.709	ug/l	99
90) Hexachloroethane	13.87	117	109821	59.187	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	312326	50.877	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	38662	63.456	ug/l	99
93) 1,2,4-Trichlorobenzene	14.91	180	134938	40.752	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	104179	49.457	ug/l	99
95) Naphthalene	15.13	128	437191	49.827	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	155647	45.441	ug/l	99

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

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