

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062519\
 Data File : VN056491.D
 Acq On : 25 Jun 2019 16:58
 Operator : JC/SP
 Sample : K3519-06MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-19-LF2MW2MS

Manual Integrations
 APPROVED

MMDadoda
 6/26/2019 9:28:32 AM

Quant Time: Jun 26 05:04:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	346158	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	539030	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	476056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	204399	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	202798	52.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.72%	
35) Dibromofluoromethane	7.59	113	179505	53.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.76%	
50) Toluene-d8	10.09	98	662037	50.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.20%	
62) 4-Bromofluorobenzene	12.40	95	231894	53.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.32%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	138476	47.244	ug/l	100
3) Chloromethane	2.06	50	177915	44.579	ug/l	99
4) Vinyl Chloride	2.18	62	181613	47.115	ug/l	100
5) Bromomethane	2.52	94	107845m	47.723	ug/l	
6) Chloroethane	2.67	64	105001	47.037	ug/l	97
7) Trichlorofluoromethane	3.00	101	241973	48.528	ug/l	97
8) Diethyl Ether	3.41	74	105032	49.772	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	153957	48.417	ug/l	100
10) Methyl Iodide	3.94	142	217540	50.618	ug/l	99
11) Tert butyl alcohol	4.80	59	190826	295.321	ug/l	100
12) 1,1-Dichloroethene	3.73	96	148978	48.719	ug/l	97
13) Acrolein	3.60	56	114419	210.098	ug/l	100
14) Allyl chloride	4.32	41	262169	51.504	ug/l	99
15) Acrylonitrile	4.99	53	486383	272.085	ug/l	99
16) Acetone	3.82	43	376838	196.051	ug/l	100
17) Carbon Disulfide	4.05	76	300360	43.185	ug/l	100
18) Methyl Acetate	4.32	43	199732	53.108	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	527566	52.139	ug/l	100
20) Methylene Chloride	4.55	84	183611	50.684	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	162365	49.248	ug/l	95
22) Diisopropyl ether	5.95	45	555755	51.987	ug/l	97
23) Vinyl Acetate	5.89	43	2341411	277.689	ug/l	100
24) 1,1-Dichloroethane	5.85	63	313010	51.007	ug/l	99
25) 2-Butanone	6.84	43	642650	252.617	ug/l	98
26) 2,2-Dichloropropane	6.82	77	225159	52.755	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	199530	51.729	ug/l	100
28) Bromochloromethane	7.19	49	156887	51.687	ug/l	99
29) Tetrahydrofuran	7.21	42	430404	276.853	ug/l	99
30) Chloroform	7.37	83	315008	52.022	ug/l	99
31) Cyclohexane	7.65	56	268179	45.267	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	248520	51.778	ug/l	99
36) 1,1-Dichloropropene	7.79	75	222883	46.978	ug/l	99
37) Ethyl Acetate	6.93	43	251603	53.963	ug/l	99
38) Carbon Tetrachloride	7.77	117	205458	49.521	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	266149	45.463	ug/l	99
40) Benzene	8.04	78	713567	48.895	ug/l	99
41) Methacrylonitrile	7.17	41	96352	46.798	ug/l	91
42) 1,2-Dichloroethane	8.12	62	233993	48.584	ug/l	99
43) Isopropyl Acetate	8.17	43	410019	57.030	ug/l	98
44) Trichloroethene	8.83	130	189968	48.323	ug/l	95
45) 1,2-Dichloropropane	9.12	63	198274	50.801	ug/l	99
46) Dibromomethane	9.21	93	124254	50.886	ug/l	99
47) Bromodichloromethane	9.40	83	231592	53.476	ug/l	96
48) Methyl methacrylate	9.20	41	186533	51.774	ug/l	100
49) 1,4-Dioxane	9.20	88	83261	1113.616	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	1266361	272.900	ug/l	100
52) Toluene	10.16	92	438164	49.108	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	248788	49.362	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	284817	54.613	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	186171	51.910	ug/l	98
56) Ethyl methacrylate	10.43	69	285419	54.456	ug/l	98
57) 1,3-Dichloropropane	10.71	76	311725	51.739	ug/l	100
59) 2-Hexanone	10.75	43	878925	257.710	ug/l	99
60) Dibromochloromethane	10.90	129	183385	49.759	ug/l	99
61) 1,2-Dibromoethane	11.00	107	191096	52.170	ug/l	99
64) Tetrachloroethene	10.63	164	179485	47.609	ug/l	98
65) Chlorobenzene	11.43	112	482580	50.449	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	176157	54.488	ug/l	99
67) Ethyl Benzene	11.51	91	832292	49.553	ug/l	99
68) m/p-Xylenes	11.62	106	628644	102.130	ug/l	100
69) o-Xylene	11.95	106	308882	50.722	ug/l	99
70) Styrene	11.96	104	515893	53.000	ug/l	99
71) Bromoform	12.13	173	130290	49.958	ug/l #	99
73) Isopropylbenzene	12.25	105	825328	53.972	ug/l	99
74) N-amyl acetate	12.07	43	319249	49.076	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	266574	56.486	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	229608m	54.175	ug/l	
77) Bromobenzene	12.53	156	214902	47.021	ug/l	98
78) n-propylbenzene	12.59	91	881404	47.089	ug/l	99
79) 2-Chlorotoluene	12.67	91	542216	52.979	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	672646	52.399	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	67347	56.476	ug/l	94
82) 4-Chlorotoluene	12.77	91	522296	47.258	ug/l	99
83) tert-Butylbenzene	12.99	119	599810	53.716	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	644340	46.827	ug/l	100
85) sec-Butylbenzene	13.17	105	760555	46.229	ug/l	99
86) p-Isopropyltoluene	13.29	119	671120	47.532	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	337895	48.785	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	324674	48.402	ug/l	99
89) n-Butylbenzene	13.61	91	498514	46.640	ug/l	100
90) Hexachloroethane	13.87	117	110275	50.097	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	339423	49.394	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	41012	54.227	ug/l	97
93) 1,2,4-Trichlorobenzene	14.91	180	133131	38.639	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	118301	50.831	ug/l	99
95) Naphthalene	15.13	128	366487	40.320	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	146685	40.495	ug/l	98

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

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