

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\
 Data File : VN056206.D
 Acq On : 11 Jun 2019 7:41
 Operator : JC/SP
 Sample : K3255-15MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE123D1-20190605MSD

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 11:58:40 AM

Quant Time: Jun 11 09:19:30 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	273324	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	407110	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	368207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	167933	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	146092	53.83	ug/l	0.00
Spiked Amount 50.000			Recovery =	107.66%		
35) Dibromofluoromethane	7.59	113	133004	53.25	ug/l	0.00
Spiked Amount 50.000			Recovery =	106.50%		
50) Toluene-d8	10.09	98	488866	50.86	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.72%		
62) 4-Bromofluorobenzene	12.40	95	168939	51.69	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.38%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	143494	47.803	ug/l	98
3) Chloromethane	2.06	50	155794	52.582	ug/l	100
4) Vinyl Chloride	2.18	62	153247	51.564	ug/l	100
5) Bromomethane	2.53	94	91823	48.910	ug/l	100
6) Chloroethane	2.68	64	87433	50.740	ug/l	99
7) Trichlorofluoromethane	3.00	101	191765	50.543	ug/l	99
8) Diethyl Ether	3.40	74	77425	49.623	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	115254	50.007	ug/l	99
10) Methyl Iodide	3.94	142	173446	47.356	ug/l	99
11) Tert butyl alcohol	4.81	59	131010	277.403	ug/l #	89
12) 1,1-Dichloroethene	3.72	96	119758	52.193	ug/l	94
13) Acrolein	3.60	56	39800	292.202	ug/l	96
14) Allyl chloride	4.31	41	179064	49.422	ug/l	98
15) Acrylonitrile	4.99	53	342902	298.267	ug/l	100
16) Acetone	3.82	43	284642	219.299	ug/l	100
17) Carbon Disulfide	4.04	76	268259	48.829	ug/l	99
18) Methyl Acetate	4.33	43	126919	49.778	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	383415	52.423	ug/l	99
20) Methylene Chloride	4.54	84	139719	52.249	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	129407	52.637	ug/l	96
22) Diisopropyl ether	5.96	45	391651	52.293	ug/l	96
23) Vinyl Acetate	5.89	43	1295784	219.696	ug/l	99
24) 1,1-Dichloroethane	5.84	63	230375	53.324	ug/l	100
25) 2-Butanone	6.84	43	443150	270.224	ug/l	100
26) 2,2-Dichloropropane	6.82	77	79548	23.596	ug/l	91
27) cis-1,2-Dichloroethene	6.83	96	151139	52.300	ug/l	92
28) Bromochloromethane	7.19	49	111970	54.805	ug/l	96
29) Tetrahydrofuran	7.22	42	295072	291.082	ug/l	100
30) Chloroform	7.37	83	234985	54.068	ug/l	98
31) Cyclohexane	7.65	56	197418	45.843	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	193885	53.423	ug/l	100
36) 1,1-Dichloropropene	7.79	75	168958	48.266	ug/l	99
37) Ethyl Acetate	6.93	43	144802	46.490	ug/l	99
38) Carbon Tetrachloride	7.77	117	168621	52.248	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	190094	43.592	ug/l	99
40) Benzene	8.04	78	536431	50.454	ug/l	100
41) Methacrylonitrile	7.18	41	83496	58.265	ug/l	98
42) 1,2-Dichloroethane	8.12	62	174470	51.015	ug/l	99
43) Isopropyl Acetate	8.17	43	238902	47.333	ug/l #	91
44) Trichloroethene	8.83	130	190429	62.332	ug/l	97
45) 1,2-Dichloropropane	9.12	63	142000	52.142	ug/l	99
46) Dibromomethane	9.21	93	95777	53.782	ug/l	98
47) Bromodichloromethane	9.40	83	178563	55.323	ug/l	99
48) Methyl methacrylate	9.20	41	133919	54.235	ug/l	96
49) 1,4-Dioxane	9.20	88	60848	1141.442	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	875176	277.281	ug/l	100
52) Toluene	10.16	92	334664	50.585	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	157374	41.991	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	184024	47.433	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	139163	53.102	ug/l	98
56) Ethyl methacrylate	10.43	69	202684	53.013	ug/l	98
57) 1,3-Dichloropropane	10.71	76	225659	52.968	ug/l	100
59) 2-Hexanone	10.75	43	619224	270.687	ug/l	100
60) Dibromochloromethane	10.90	129	149960	51.791	ug/l	98
61) 1,2-Dibromoethane	11.00	107	144406	53.901	ug/l	98
64) Tetrachloroethene	10.63	164	147999	46.435	ug/l	99
65) Chlorobenzene	11.43	112	369911	50.479	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	139720	55.219	ug/l	99
67) Ethyl Benzene	11.51	91	625640	49.099	ug/l	99
68) m/p-Xylenes	11.62	106	483219	99.270	ug/l	98
69) o-Xylene	11.95	106	239620	50.044	ug/l	99
70) Stvrene	11.96	104	398478	52.378	ug/l	99
71) Bromoform	12.13	173	112493	52.793	ug/l #	99
73) Isopropylbenzene	12.25	105	619361	51.830	ug/l	99
74) N-amyl acetate	12.07	43	179468	40.091	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	195844	50.236	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	174971m	56.624	ug/l	
77) Bromobenzene	12.53	156	175354	48.772	ug/l	94
78) n-propylbenzene	12.59	91	653030	45.965	ug/l	99
79) 2-Chlorotoluene	12.67	91	407164	51.751	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	511995	45.345	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	37296	40.195	ug/l	90
82) 4-Chlorotoluene	12.77	91	391866	47.146	ug/l	99
83) tert-Butylbenzene	12.99	119	455613	52.122	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	504465	47.114	ug/l	99
85) sec-Butylbenzene	13.17	105	574339	45.649	ug/l	100
86) p-Isopropyltoluene	13.29	119	514613	45.702	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	274500	49.329	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	263451	49.216	ug/l	99
89) n-Butylbenzene	13.61	91	362983	43.516	ug/l	100
90) Hexachloroethane	13.87	117	87134	51.312	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	278881	49.639	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31563	56.605	ug/l	94
93) 1,2,4-Trichlorobenzene	14.91	180	129153	42.424	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	96426	50.044	ug/l	99
95) Naphthalene	15.13	128	351610	44.254	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	145999	46.499	ug/l	99

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

