

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061918\
 Data File : VN049411.D
 Acq On : 20 Jun 2018 3:12
 Operator : MD\SY
 Sample : VN0619WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS02

Manual Integrations
 APPROVED

MMDadoda
 6/20/2018 4:54:03 PM

Quant Time: Jun 20 07:17:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1425283	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2183184	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1954309	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	902056	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	896392	47.42	ug/l	0.00
Spiked Amount			Recovery	=	94.84%	
35) Dibromofluoromethane	7.59	113	807563	45.72	ug/l	0.00
Spiked Amount			Recovery	=	91.44%	
50) Toluene-d8	10.09	98	3012640	44.79	ug/l	0.00
Spiked Amount			Recovery	=	89.58%	
62) 4-Bromofluorobenzene	12.40	95	965791	43.43	ug/l	0.00
Spiked Amount			Recovery	=	86.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	323001	19.689	ug/l	98
3) Chloromethane	2.06	50	397739	18.776	ug/l	97
4) Vinyl Chloride	2.18	62	433342	19.248	ug/l	98
5) Bromomethane	2.57	94	226386	19.128	ug/l	97
6) Chloroethane	2.71	64	267687	19.941	ug/l	100
7) Trichlorofluoromethane	3.02	101	555391	19.774	ug/l	100
8) Diethyl Ether	3.41	74	189237	19.299	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	344538	19.341	ug/l	94
10) Methyl Iodide	3.95	142	361180	19.476	ug/l	93
11) Tert butyl alcohol	4.80	59	98900	89.137	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	315426	19.301	ug/l	91
13) Acrolein	3.61	56	156887	134.836	ug/l	96
14) Allyl chloride	4.33	41	473037	18.332	ug/l	89
15) Acrylonitrile	4.99	53	533740	96.204	ug/l	99
16) Acetone	3.82	43	371428	80.922	ug/l #	89
17) Carbon Disulfide	4.05	76	940303	18.357	ug/l	99
18) Methyl Acetate	4.33	43	291590	20.835	ug/l	93
19) Methyl tert-butyl Ether	5.05	73	814381	19.545	ug/l	100
20) Methylene Chloride	4.55	84	370384	19.321	ug/l	92
21) trans-1,2-Dichloroethene	5.05	96	332987	19.246	ug/l	91
22) Diisopropyl ether	5.96	45	1042817	20.237	ug/l	97
23) Vinyl Acetate	5.90	43	3238823	96.416	ug/l	96
24) 1,1-Dichloroethane	5.85	63	638301	19.354	ug/l	99
25) 2-Butanone	6.84	43	552616	89.664	ug/l	96
26) 2,2-Dichloropropane	6.82	77	362964	13.627	ug/l	93
27) cis-1,2-Dichloroethene	6.83	96	373044	19.394	ug/l	90
28) Bromochloromethane	7.20	49	273937	18.735	ug/l	84
29) Tetrahydrofuran	7.22	42	381395	96.134	ug/l	94
30) Chloroform	7.37	83	646119	19.685	ug/l	100
31) Cyclohexane	7.66	56	546833	19.451	ug/l	91
32) 1,1,1-Trichloroethane	7.57	97	553018	19.747	ug/l	97
36) 1,1-Dichloropropene	7.79	75	473483	18.923	ug/l	98
37) Ethyl Acetate	6.93	43	273600	20.114	ug/l	98
38) Carbon Tetrachloride	7.77	117	489441	18.894	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	469834	17.493	ug/l	98
40) Benzene	8.04	78	1459805	19.030	ug/l	99
41) Methacrylonitrile	7.18	41	127406	17.325	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	451573	19.054	ug/l	96
43) Isopropyl Acetate	8.17	43	513730	19.767	ug/l	98
44) Trichloroethene	8.84	130	384638	18.988	ug/l	95
45) 1,2-Dichloropropane	9.12	63	379483	18.893	ug/l	99
46) Dibromomethane	9.21	93	219010	18.805	ug/l	89
47) Bromodichloromethane	9.40	83	486769	19.019	ug/l	97
48) Methyl methacrylate	9.20	41	225772	18.447	ug/l #	87
49) 1,4-Dioxane	9.20	88	61489	364.014	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	1306986	95.950	ug/l	95
52) Toluene	10.16	92	890668	19.782	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	427767	17.472	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	510934	17.674	ug/l	90
55) 1,1,2-Trichloroethane	10.56	97	318884	18.999	ug/l	97
56) Ethyl methacrylate	10.43	69	356939	18.434	ug/l #	88
57) 1,3-Dichloropropane	10.71	76	526412	18.932	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	448689	75.428	ug/l	95
59) 2-Hexanone	10.75	43	800730	91.181	ug/l	94
60) Dibromochloromethane	10.90	129	354492	18.923	ug/l	99
61) 1,2-Dibromoethane	11.01	107	302123	19.365	ug/l	98
64) Tetrachloroethene	10.63	164	429915	21.468	ug/l	98
65) Chlorobenzene	11.44	112	957386	19.017	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	353902	18.680	ug/l	98
67) Ethyl Benzene	11.51	91	1596161	19.114	ug/l	98
68) m/p-Xylenes	11.62	106	1237307	39.481	ug/l	96
69) o-Xylene	11.95	106	590198	19.553	ug/l	96
70) Styrene	11.97	104	944511	19.834	ug/l	97
71) Bromoform	12.13	173	232742	18.978	ug/l #	100
73) Isopropylbenzene	12.25	105	1571920	19.847	ug/l	98
74) N-amyl acetate	12.07	43	350671	18.076	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.51	83	344597	19.796	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	292491m	19.004	ug/l	
77) Bromobenzene	12.53	156	394139	18.840	ug/l	91
78) n-propylbenzene	12.59	91	1711734	19.683	ug/l	99
79) 2-Chlorotoluene	12.68	91	1072256	19.459	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1260499	20.248	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	77270	15.867	ug/l	99
82) 4-Chlorotoluene	12.78	91	1051050	19.772	ug/l	98
83) tert-Butylbenzene	12.99	119	1059089	19.203	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1263633	20.433	ug/l	99
85) sec-Butylbenzene	13.17	105	1393187	18.979	ug/l	98
86) p-Isopropyltoluene	13.29	119	1169673	19.072	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	644190	18.718	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	615392	18.041	ug/l	99
89) n-Butylbenzene	13.62	91	815468	17.023	ug/l	99
90) Hexachloroethane	13.88	117	242528	19.873	ug/l	91
91) 1,2-Dichlorobenzene	13.66	146	643998	19.079	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	49190	17.839	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	182599	15.426	ug/l	98
94) Hexachlorobutadiene	15.01	225	191975	17.687	ug/l	99
95) Naphthalene	15.14	128	364519	16.080	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	207060	16.202	ug/l	98

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

