

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049269.D
 Acq On : 15 Jun 2018 19:42
 Operator : MD\SY
 Sample : VN0616WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/18/2018 3:16:15 PM

Quant Time: Jun 16 01:38:53 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	1450822	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2191890	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1980121	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	938533	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	973670	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
35) Dibromofluoromethane	7.59	113	890537	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
50) Toluene-d8	10.09	98	3349881	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
62) 4-Bromofluorobenzene	12.40	95	1094688	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.85	85	315747	18.91	ug/l	100
3) Chloromethane	2.06	50	414053	19.20	ug/l	99
4) Vinyl Chloride	2.18	62	439906	19.20	ug/l	99
5) Bromomethane	2.57	94	232293	19.28	ug/l	98
6) Chloroethane	2.70	64	269041	19.69	ug/l	98
7) Trichlorofluoromethane	3.01	101	557073	19.49	ug/l	99
8) Diethyl Ether	3.41	74	201339	20.17	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.75	101	352933	19.46	ug/l	91
10) Methyl Iodide	3.95	142	327192	17.33	ug/l	92
11) Tert butyl alcohol	4.80	59	117492	104.03	ug/l	98
12) 1,1-Dichloroethene	3.73	96	323439	19.44	ug/l	90
13) Acrolein	3.61	56	118717	100.23	ug/l	99
14) Allyl chloride	4.32	41	527551	20.08	ug/l	89
15) Acrylonitrile	4.99	53	578375	102.41	ug/l	97
16) Acetone	3.82	43	453776	97.12	ug/l	92
17) Carbon Disulfide	4.05	76	975352	18.71	ug/l	99
18) Methyl Acetate	4.33	43	280977	19.72	ug/l	93
19) Methyl tert-butyl Ether	5.05	73	881763	20.79	ug/l	98
20) Methylene Chloride	4.55	84	376170	19.28	ug/l	90
21) trans-1,2-Dichloroethene	5.04	96	342139	19.43	ug/l	95
22) Diisopropyl ether	5.96	45	1098903	20.95	ug/l	98
23) Vinyl Acetate	5.90	43	3515040	102.80	ug/l	95
24) 1,1-Dichloroethane	5.85	63	671837	20.01	ug/l	99
25) 2-Butanone	6.84	43	626584	99.88	ug/l	96
26) 2,2-Dichloropropane	6.82	77	545617	20.12	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	391152	19.98	ug/l	93
28) Bromochloromethane	7.19	49	304813	20.48	ug/l #	83
29) Tetrahydrofuran	7.22	42	410671	101.69	ug/l	94
30) Chloroform	7.37	83	669030	20.02	ug/l	99
31) Cyclohexane	7.65	56	582498	20.36	ug/l	91
32) 1,1,1-Trichloroethane	7.57	97	578146	20.28	ug/l	96
36) 1,1-Dichloropropene	7.79	75	495009	19.70	ug/l	97
37) Ethyl Acetate	6.93	43	288499	21.12	ug/l	98
38) Carbon Tetrachloride	7.77	117	511720	19.68	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049269.D
 Acq On : 15 Jun 2018 19:42
 Operator : MD\SY
 Sample : VN0616WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/18/2018 3:16:15 PM

Quant Time: Jun 16 01:38:53 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)

39) Methylcyclohexane	9.08	83	518593	19.23	ug/l	96
40) Benzene	8.04	78	1523552	19.78	ug/l	99
41) Methacrylonitrile	7.18	41	150889	20.44	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	475013	19.96	ug/l	96
43) Isopropyl Acetate	8.17	43	520012	19.93	ug/l	95
44) Trichloroethene	8.84	130	398187	19.58	ug/l	94
45) 1,2-Dichloropropane	9.12	63	400954	19.88	ug/l	98
46) Dibromomethane	9.21	93	232860	19.91	ug/l	92
47) Bromodichloromethane	9.40	83	507421	19.75	ug/l	97
48) Methyl methacrylate	9.20	41	251356	20.46	ug/l	87
49) 1,4-Dioxane	9.20	88	68436	403.53	ug/l #	92
51) 4-Methyl-2-Pentanone	9.99	43	1383704	101.18	ug/l	94
52) Toluene	10.16	92	932191	20.62	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	478598	19.47	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	575782	19.84	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	337309	20.02	ug/l	97
56) Ethyl methacrylate	10.43	69	392079	20.17	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	548402	19.64	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	557787	89.98	ug/l	95
59) 2-Hexanone	10.75	43	886320	100.53	ug/l	94
60) Dibromochloromethane	10.90	129	371196	19.74	ug/l	98
61) 1,2-Dibromoethane	11.01	107	310853	19.85	ug/l	99
64) Tetrachloroethene	10.63	164	405111	19.97	ug/l	98
65) Chlorobenzene	11.44	112	1004631	19.69	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	366809	19.11	ug/l	99
67) Ethyl Benzene	11.51	91	1696456	20.05	ug/l	98
68) m/p-Xylenes	11.62	106	1313463	41.37	ug/l	96
69) o-Xylene	11.95	106	640906	20.96	ug/l	93
70) Styrene	11.97	104	996057	20.64	ug/l	98
71) Bromoform	12.13	173	245492	19.76	ug/l #	99
73) Isopropylbenzene	12.25	105	1688195	20.49	ug/l	99
74) N-amyl acetate	12.07	43	392370	19.44	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	389649	21.72	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	315483m	19.70	ug/l	
77) Bromobenzene	12.53	156	412251	18.94	ug/l	92
78) n-propylbenzene	12.59	91	1874285	20.71	ug/l	99
79) 2-Chlorotoluene	12.68	91	1144648	19.97	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1358862	20.98	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	97408	19.22	ug/l	93
82) 4-Chlorotoluene	12.78	91	1126062	20.36	ug/l	97
83) tert-Butylbenzene	12.99	119	1153866	20.11	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1354852	21.06	ug/l	99
85) sec-Butylbenzene	13.17	105	1549250	20.28	ug/l	100
86) p-Isopropyltoluene	13.29	119	1293765	20.28	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	702128	19.61	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	686323	19.34	ug/l	99
89) n-Butylbenzene	13.62	91	964320	19.35	ug/l	98
90) Hexachloroethane	13.88	117	261037	20.62	ug/l	92
91) 1,2-Dichlorobenzene	13.66	146	691829	19.70	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	54488	18.99	ug/l	87

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
Data File : VN049269.D
Acq On : 15 Jun 2018 19:42
Operator : MD\SY
Sample : VN0616WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBSD01

Manual Integrations
APPROVED

MMDadoda
6/18/2018 3:16:15 PM

Quant Time: Jun 16 01:38:53 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)
93) 1,2,4-Trichlorobenzene	14.91	180	245194	18.53	ug/l	99
94) Hexachlorobutadiene	15.01	225	226049	20.40	ug/l	99
95) Naphthalene	15.14	128	478392	19.56	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	269222	19.38	ug/l	100

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

