

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049286.D
 Acq On : 16 Jun 2018 3:52
 Operator : MD\SY
 Sample : VN0616WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBS02

Manual Integrations
 APPROVED

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

Quant Time: Jun 16 05:23:20 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	1400489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2151456	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1909519	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	882058	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	967682	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
35) Dibromofluoromethane	7.59	113	878120	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
50) Toluene-d8	10.09	98	3310089	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
62) 4-Bromofluorobenzene	12.40	95	1040906	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	292076	18.12	ug/l	100
3) Chloromethane	2.06	50	382348	18.37	ug/l	99
4) Vinyl Chloride	2.18	62	422435	19.10	ug/l	98
5) Bromomethane	2.57	94	221142	19.02	ug/l	93
6) Chloroethane	2.71	64	261691	19.84	ug/l	99
7) Trichlorofluoromethane	3.02	101	533089	19.32	ug/l	98
8) Diethyl Ether	3.41	74	183442	19.04	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.76	101	333027	19.03	ug/l	93
10) Methyl Iodide	3.95	142	351837	19.31	ug/l	93
11) Tert butyl alcohol	4.79	59	89942	82.50	ug/l #	70
12) 1,1-Dichloroethene	3.73	96	297503	18.53	ug/l	92
13) Acrolein	3.61	56	107772	94.26	ug/l	99
14) Allyl chloride	4.32	41	467653	18.44	ug/l	90
15) Acrylonitrile	4.99	53	489397	89.77	ug/l	100
16) Acetone	3.82	43	334900	74.26	ug/l	90
17) Carbon Disulfide	4.05	76	899575	17.87	ug/l	100
18) Methyl Acetate	4.33	43	259766	18.89	ug/l	93
19) Methyl tert-butyl Ether	5.05	73	760819	18.58	ug/l	100
20) Methylene Chloride	4.55	84	355559	18.88	ug/l	93
21) trans-1,2-Dichloroethene	5.04	96	321182	18.89	ug/l	92
22) Diisopropyl ether	5.96	45	1007698	19.90	ug/l	98
23) Vinyl Acetate	5.90	43	3041598	92.15	ug/l	95
24) 1,1-Dichloroethane	5.85	63	628042	19.38	ug/l	98
25) 2-Butanone	6.84	43	500009	82.56	ug/l	95
26) 2,2-Dichloropropane	6.83	77	408034	15.59	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	362369	19.17	ug/l	91
28) Bromochloromethane	7.20	49	291587	20.29	ug/l	84
29) Tetrahydrofuran	7.22	42	337778	86.65	ug/l	96
30) Chloroform	7.37	83	631856	19.59	ug/l	99
31) Cyclohexane	7.66	56	533515	19.31	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	543064	19.73	ug/l	97
36) 1,1-Dichloropropene	7.79	75	473356	19.20	ug/l	98
37) Ethyl Acetate	6.93	43	249613	18.62	ug/l	98
38) Carbon Tetrachloride	7.77	117	480702	18.83	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049286.D
 Acq On : 16 Jun 2018 3:52
 Operator : MD\SY
 Sample : VN0616WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBS02

Manual Integrations
 APPROVED

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

Quant Time: Jun 16 05:23:20 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	460541	17.40	ug/l	97
40) Benzene	8.04	78	1433993	18.97	ug/l	99
41) Methacrylonitrile	7.17	41	130394	17.99	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	439491	18.82	ug/l	96
43) Isopropyl Acetate	8.17	43	493743	19.28	ug/l	99
44) Trichloroethene	8.84	130	376624	18.87	ug/l	92
45) 1,2-Dichloropropane	9.12	63	374878	18.94	ug/l	99
46) Dibromomethane	9.21	93	216830	18.89	ug/l	91
47) Bromodichloromethane	9.40	83	474608	18.82	ug/l	96
48) Methyl methacrylate	9.20	41	213977	17.74	ug/l	88
49) 1,4-Dioxane	9.20	88	55458	333.15	ug/l #	91
51) 4-Methyl-2-Pentanone	9.99	43	1177362	87.71	ug/l	95
52) Toluene	10.16	92	866636	19.53	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	413002	17.12	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	505408	17.74	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	311174	18.81	ug/l	98
56) Ethyl methacrylate	10.43	69	335249	17.57	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	503645	18.38	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	475596	80.05	ug/l	95
59) 2-Hexanone	10.75	43	706723	81.66	ug/l	94
60) Dibromochloromethane	10.90	129	338884	18.36	ug/l	97
61) 1,2-Dibromoethane	11.01	107	276898	18.01	ug/l	99
64) Tetrachloroethene	10.63	164	399680	20.43	ug/l	98
65) Chlorobenzene	11.44	112	926629	18.84	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	352563	19.05	ug/l	98
67) Ethyl Benzene	11.51	91	1554306	19.05	ug/l	98
68) m/p-Xylenes	11.62	106	1199640	39.18	ug/l	97
69) o-Xylene	11.95	106	571884	19.39	ug/l	95
70) Styrene	11.97	104	902807	19.40	ug/l	98
71) Bromoform	12.13	173	215285	17.97	ug/l #	99
73) Isopropylbenzene	12.25	105	1528418	19.74	ug/l	98
74) N-amyl acetate	12.07	43	314988	16.61	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.51	83	334955	19.66	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	295683m	19.65	ug/l	
77) Bromobenzene	12.53	156	381163	18.63	ug/l	90
78) n-propylbenzene	12.59	91	1670429	19.64	ug/l	99
79) 2-Chlorotoluene	12.68	91	1040856	19.32	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1223798	20.10	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	74693	15.69	ug/l	96
82) 4-Chlorotoluene	12.78	91	1011325	19.46	ug/l	97
83) tert-Butylbenzene	13.00	119	1034124	19.18	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1239785	20.50	ug/l	100
85) sec-Butylbenzene	13.17	105	1363544	19.00	ug/l	98
86) p-Isopropyltoluene	13.29	119	1140733	19.02	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	627899	18.66	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	599100	17.96	ug/l	100
89) n-Butylbenzene	13.62	91	793597	16.94	ug/l	98
90) Hexachloroethane	13.88	117	240448	20.17	ug/l	90
91) 1,2-Dichlorobenzene	13.66	146	618931	18.75	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45574	16.90	ug/l	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
Data File : VN049286.D
Acq On : 16 Jun 2018 3:52
Operator : MD\SY
Sample : VN0616WBS02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS02

Manual Integrations
APPROVED

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

Quant Time: Jun 16 05:23:20 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	177450	15.36	ug/l	99
94) Hexachlorobutadiene	15.01	225	186330	17.53	ug/l	99
95) Naphthalene	15.14	128	333551	15.21	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	201995	16.17	ug/l	99

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

