

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103018\
 Data File : VN052063.D
 Acq On : 30 Oct 2018 14:43
 Operator : MD\SY
 Sample : VN1030WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/1/2018 11:48:17 AM

Quant Time: Oct 31 04:13:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:45:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	257676	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	495020	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	441341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	180531	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	194500	47.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.08%	
35) Dibromofluoromethane	7.59	113	144251	46.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.16%	
50) Toluene-d8	10.09	98	574969	46.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.90%	
62) 4-Bromofluorobenzene	12.40	95	207335	45.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.26%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	65000	20.753	ug/l	99
3) Chloromethane	2.06	50	80214	20.320	ug/l	99
4) Vinyl Chloride	2.19	62	88620	20.858	ug/l	94
5) Bromomethane	2.58	94	58274	18.284	ug/l	91
6) Chloroethane	2.71	64	56198	20.486	ug/l	100
7) Trichlorofluoromethane	3.03	101	98563	20.314	ug/l	97
8) Diethyl Ether	3.42	74	36360	20.089	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	61102	21.346	ug/l	96
10) Methyl Iodide	3.96	142	74741	19.924	ug/l	99
11) Tert butyl alcohol	4.78	59	16439m	79.392	ug/l	
12) 1,1-Dichloroethene	3.74	96	56328	20.838	ug/l	94
13) Acrolein	3.61	56	22963	123.695	ug/l	86
14) Allyl chloride	4.33	41	102820	19.006	ug/l	94
15) Acrylonitrile	4.99	53	109579	92.570	ug/l	100
16) Acetone	3.81	43	70867	80.292	ug/l	100
17) Carbon Disulfide	4.06	76	179209	21.039	ug/l	99
18) Methyl Acetate	4.33	43	48582	17.290	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	171155	19.276	ug/l	97
20) Methylene Chloride	4.55	84	70813	21.056	ug/l	94
21) trans-1,2-Dichloroethene	5.05	96	62454	20.262	ug/l	98
22) Diisopropyl ether	5.95	45	236847	20.255	ug/l	97
23) Vinyl Acetate	5.90	43	782727	96.612	ug/l	100
24) 1,1-Dichloroethane	5.85	63	130659	19.983	ug/l	100
25) 2-Butanone	6.83	43	123713	89.365	ug/l	100
26) 2,2-Dichloropropane	6.82	77	92186	17.753	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	75239	20.440	ug/l	98
28) Bromochloromethane	7.20	49	58462	18.042	ug/l	97
29) Tetrahydrofuran	7.21	42	82637	89.600	ug/l	99
30) Chloroform	7.37	83	132606	20.318	ug/l	99
31) Cyclohexane	7.65	56	130795	19.801	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	107493	20.480	ug/l	98
36) 1,1-Dichloropropene	7.79	75	101055	20.077	ug/l	99
37) Ethyl Acetate	6.93	43	56263	16.700	ug/l #	93
38) Carbon Tetrachloride	7.77	117	86054	19.828	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103018\
 Data File : VN052063.D
 Acq On : 30 Oct 2018 14:43
 Operator : MD\SY
 Sample : VN1030WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1030WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/1/2018 11:48:17 AM

Quant Time: Oct 31 04:13:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:45:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	125604	21.028	ug/l	98
40) Benzene	8.04	78	285726	19.625	ug/l	98
41) Methacrylonitrile	7.18	41	34958	20.193	ug/l #	90
42) 1,2-Dichloroethane	8.12	62	98427	18.320	ug/l	99
43) Isopropyl Acetate	8.16	43	112439	18.764	ug/l	98
44) Trichloroethene	8.84	130	65399	20.086	ug/l	98
45) 1,2-Dichloropropane	9.12	63	82384	19.864	ug/l	97
46) Dibromomethane	9.21	93	43789	18.891	ug/l	99
47) Bromodichloromethane	9.40	83	95405	19.735	ug/l	99
48) Methyl methacrylate	9.20	41	55145	18.152	ug/l	99
49) 1,4-Dioxane	9.20	88	8760	360.324	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	291997	89.655	ug/l	100
52) Toluene	10.16	92	175485	19.967	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	95389	18.663	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	113364	19.972	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	60179	19.225	ug/l	98
56) Ethyl methacrylate	10.43	69	80344	17.944	ug/l	99
57) 1,3-Dichloropropane	10.71	76	107517	18.667	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	221268	92.903	ug/l	100
59) 2-Hexanone	10.75	43	190858	82.233	ug/l	99
60) Dibromochloromethane	10.90	129	59182	19.205	ug/l	96
61) 1,2-Dibromoethane	11.00	107	59818	19.223	ug/l	98
64) Tetrachloroethene	10.63	164	53953	20.179	ug/l	99
65) Chlorobenzene	11.43	112	182244	19.605	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	60781	20.824	ug/l	99
67) Ethyl Benzene	11.51	91	339852	20.502	ug/l	99
68) m/p-Xylenes	11.62	106	250090	42.150	ug/l	99
69) o-Xylene	11.95	106	125373	21.354	ug/l	98
70) Styrene	11.96	104	194095	20.431	ug/l	97
71) Bromoform	12.13	173	30968	17.969	ug/l #	97
73) Isopropylbenzene	12.25	105	319987	20.727	ug/l	98
74) N-amyl acetate	12.07	43	99198	18.412	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	70263	18.980	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	62081m	18.786	ug/l	
77) Bromobenzene	12.53	156	64241	19.888	ug/l	99
78) n-propylbenzene	12.59	91	388700	20.779	ug/l	99
79) 2-Chlorotoluene	12.67	91	223647	20.509	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	261264	20.797	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	15825	15.894	ug/l	86
82) 4-Chlorotoluene	12.77	91	235809	21.206	ug/l	97
83) tert-Butylbenzene	12.99	119	215716	20.441	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	269147	21.524	ug/l	98
85) sec-Butylbenzene	13.17	105	319599	21.200	ug/l	99
86) p-Isopropyltoluene	13.29	119	254139	20.699	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	117701	19.981	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	117374	19.881	ug/l	97
89) n-Butylbenzene	13.61	91	236506	20.199	ug/l	99
90) Hexachloroethane	13.88	117	40595	19.294	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	114011	20.586	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10594	20.408	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103018\
Data File : VN052063.D
Acq On : 30 Oct 2018 14:43
Operator : MD\SY
Sample : VN1030WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

Manual Integrations
APPROVED

MMDadoda
11/1/2018 11:48:17 AM

Quant Time: Oct 31 04:13:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 31 02:45:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	42693	20.702	ug/l	98
94) Hexachlorobutadiene	15.01	225	24251	21.010	ug/l	97
95) Naphthalene	15.13	128	99766	19.287	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	37136	20.867	ug/l	97

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN103018\
Data File : VN052063.D
Acq On : 30 Oct 2018 14:43
Operator : MD\SY
Sample : VN1030WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 28

Instrument :
MSVOA_N
Client Sample Id :
VN1030WBS01

Manual Integrations
APPROVED

MMDadoda
11/1/2018 11:48:17 AM

Quant Time: Oct 31 04:13:16 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 31 02:45:22 2018
Response via : Initial Calibration

