

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092518\
 Data File : VN051482.D
 Acq On : 25 Sep 2018 14:02
 Operator : MD\SY
 Sample : VN0925WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 11:21:32 AM

Quant Time: Sep 26 02:29:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 26 01:19:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	70136	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	386494	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	328500	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	154231	31.95	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	106.50%
60) 4-Bromofluorobenzene	12.40	95	141736	29.39	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.97%
63) Toluene-d8	10.09	98	485968	30.85	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	46311	15.417	ug/l 98
3) Chloromethane	2.06	50	90011	17.428	ug/l 98
4) Vinyl Chloride	2.18	62	93345	16.938	ug/l 98
5) Bromomethane	2.57	94	75955	21.088	ug/l 92
6) Chloroethane	2.71	64	58950	17.354	ug/l 99
7) Trichlorofluoromethane	3.01	101	127270	17.792	ug/l 97
8) Diethyl Ether	3.41	74	35019	16.283	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	66402	18.280	ug/l # 42
10) 1,1-Dichloroethene	3.74	96	58675	17.733	ug/l 95
11) Methyl Iodide	3.95	142	73233	15.010	ug/l 95
12) Methyl Acetate	4.33	43	55047	18.929	ug/l # 87
13) Acrolein	3.61	56	35701	92.064	ug/l 90
14) Acrylonitrile	5.00	53	104962	88.851	ug/l # 45
15) Acetone	3.82	58	28122	96.657	ug/l 95
16) Carbon Disulfide	4.05	76	179311	17.086	ug/l 96
17) Allyl chloride	4.33	41	104341	17.864	ug/l 97
18) Methylene Chloride	4.55	84	75128	19.013	ug/l 92
19) trans-1,2-Dichloroethene	5.05	96	64590	18.033	ug/l 94
20) Diisopropyl ether	5.96	45	212693	18.339	ug/l # 86
21) 1,1-Dichloroethane	5.85	63	131123	18.770	ug/l # 94
22) cis-1,2-Dichloroethene	6.83	96	71309	17.792	ug/l # 89
23) tert-Butyl Alcohol	4.80	59	20667	92.902	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	161507	17.922	ug/l # 60
25) Chloroform	7.38	83	131483	18.870	ug/l 94
26) Cyclohexane	7.65	56	101892	17.132	ug/l # 97
29) 1,1-Dichloropropene	7.80	75	93714	17.221	ug/l 99
30) 2-Butanone	6.84	43	119961	85.340	ug/l # 98
31) 2,2-Dichloropropane	6.83	77	105570	18.187	ug/l # 80
32) 1,1,1-Trichloroethane	7.57	97	109737	17.664	ug/l 99
33) Carbon Tetrachloride	7.77	117	99572	17.467	ug/l 96
34) Benzene	8.04	78	287203	17.776	ug/l # 71
35) Methacrylonitrile	7.17	41	22757	11.234	ug/l 87
36) 1,2-Dichloroethane	8.13	62	91766	17.443	ug/l 100
37) Trichloroethene	8.84	130	73044	17.058	ug/l 97
38) Methylcyclohexane	9.08	83	99618	15.791	ug/l 95
39) 1,2-Dichloropropane	9.12	63	79024	17.980	ug/l 100
40) Dibromomethane	9.21	93	45104	18.030	ug/l 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092518\
 Data File : VN051482.D
 Acq On : 25 Sep 2018 14:02
 Operator : MD\SY
 Sample : VN0925WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 11:21:32 AM

Quant Time: Sep 26 02:29:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 26 01:19:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	94325	17.150	ug/l	94
42) Vinyl Acetate	5.90	43	660821	84.543	ug/l	99
43) Ethyl Acetate	6.93	43	52807	18.055	ug/l	99
44) Isopropyl Acetate	8.17	43	98135	17.446	ug/l	95
45) 1,4-Dioxane	9.20	88	11289	329.873	ug/l	95
46) Methyl methacrylate	9.20	41	43038	15.450	ug/l	94
47) n-amyl Acetate	12.07	43	65349m	14.538	ug/l	
48) t-1,3-Dichloropropene	10.38	75	87588	16.038	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	108132	17.105	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	61092	17.080	ug/l	94
51) Ethyl methacrylate	10.43	69	65544	15.484	ug/l	95
52) 1,3-Dichloropropane	10.71	76	105063	17.411	ug/l	96
53) Dibromochloromethane	10.90	129	69972	17.007	ug/l	100
54) 1,2-Dibromoethane	11.01	107	59116	17.129	ug/l	95
55) 2-Chloroethyl vinyl ether	9.70	63	144153	68.963	ug/l	99
56) Bromoform	12.13	173	47044	16.960	ug/l	96
58) 4-Methyl-2-Pentanone	9.99	43	262625	90.970	ug/l	97
59) 2-Hexanone	10.75	43	160863	84.661	ug/l	98
61) Tetrachloroethene	10.63	164	68930	18.036	ug/l	97
62) Toluene	10.16	91	303437	18.044	ug/l	99
64) Chlorobenzene	11.43	112	179981	17.456	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	68508	17.186	ug/l	93
66) Ethyl Benzene	11.51	91	285757	16.471	ug/l	97
67) m/p-Xylenes	11.62	106	223649	33.486	ug/l	97
68) o-Xylene	11.95	106	109329	17.187	ug/l	94
69) Styrene	11.96	104	169338	16.852	ug/l	98
70) Isopropylbenzene	12.25	105	284668	16.721	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	74538	18.600	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	63165m	19.987	ug/l	
73) Bromobenzene	12.53	156	71651	16.700	ug/l	98
74) n-propylbenzene	12.59	91	314730	15.902	ug/l	99
75) 2-Chlorotoluene	12.68	91	198024	16.954	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	238958	17.011	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	16626	15.255	ug/l	92
78) 4-Chlorotoluene	12.77	91	189942	16.396	ug/l	99
79) tert-butylbenzene	12.99	119	207550	16.970	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	241711	17.116	ug/l	98
81) sec-Butylbenzene	13.17	105	285079	16.944	ug/l	100
82) p-Isopropyltoluene	13.29	119	235835	16.238	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	133611	17.754	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	118067	16.705	ug/l	97
85) n-Butylbenzene	13.62	91	174317	14.618	ug/l	98
86) Hexachloroethane	13.87	117	49887	17.141	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	124487	17.449	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	11429	19.323	ug/l	90
89) 1,2,4-Trichlorobenzene	14.91	180	64739	18.218	ug/l	99
90) Hexachlorobutadiene	15.01	225	59562	21.627	ug/l	95
91) Naphthalene	15.13	128	128024	19.093	ug/l	98
92) 1,2,3-Trichlorobenzene	15.32	180	46821	13.052	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092518\
Data File : VN051482.D
Acq On : 25 Sep 2018 14:02
Operator : MD\SY
Sample : VN0925WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

Manual Integrations
APPROVED

MMDadoda
10/1/2018 11:21:32 AM

Quant Time: Sep 26 02:29:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 26 01:19:41 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092518\
Data File : VN051482.D
Acq On : 25 Sep 2018 14:02
Operator : MD\SY
Sample : VN0925WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

Manual Integrations
APPROVED

MMDadoda
10/1/2018 11:21:32 AM

Quant Time: Sep 26 02:29:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 26 01:19:41 2018
Response via : Initial Calibration

