

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
 Data File : VN052533.D
 Acq On : 28 Nov 2018 21:41
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 11/29/2018 9:32:56 AM

Quant Time: Nov 29 02:39:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	189221	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1112599	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	960661	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	374655	29.06	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.87%
60) 4-Bromofluorobenzene	12.40	95	438745	29.87	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.57%
63) Toluene-d8	10.09	98	1335396	29.98	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.93%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	194830	18.079	ug/l 99
3) Chloromethane	2.06	50	255187	17.855	ug/l 97
4) Vinyl Chloride	2.19	62	269545	18.686	ug/l 96
5) Bromomethane	2.58	94	154342	18.765	ug/l 99
6) Chloroethane	2.71	64	166613	19.422	ug/l 100
7) Trichlorofluoromethane	3.02	101	341498	19.182	ug/l 99
8) Diethyl Ether	3.41	74	128509	19.549	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.77	101	208787	18.500	ug/l 96
10) 1,1-Dichloroethene	3.74	96	207878	19.591	ug/l 97
11) Methyl Iodide	3.96	142	261904	17.777	ug/l 99
12) Methyl Acetate	4.33	43	168339	18.671	ug/l 100
13) Acrolein	3.61	56	91067	85.989	ug/l 98
14) Acrylonitrile	4.99	53	356181	92.719	ug/l 97
15) Acetone	3.82	58	79978	80.391	ug/l 99
16) Carbon Disulfide	4.06	76	597217	17.777	ug/l 100
17) Allyl chloride	4.33	41	336503	18.184	ug/l 97
18) Methylene Chloride	4.55	84	237087	19.297	ug/l 95
19) trans-1,2-Dichloroethene	5.05	96	219754	19.244	ug/l 96
20) Diisopropyl ether	5.95	45	728365	18.729	ug/l 97
21) 1,1-Dichloroethane	5.85	63	423067	19.087	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	253087	19.338	ug/l 97
23) tert-Butyl Alcohol	4.78	59	60939	106.637	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	569250	20.449	ug/l 99
25) Chloroform	7.37	83	412366	19.285	ug/l 100
26) Cyclohexane	7.65	56	386562	18.491	ug/l # 96
29) 1,1-Dichloropropene	7.79	75	316669	18.638	ug/l 99
30) 2-Butanone	6.84	43	398721	87.701	ug/l 98
31) 2,2-Dichloropropane	6.83	77	276263	17.662	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	336929	19.058	ug/l 97
33) Carbon Tetrachloride	7.78	117	289604	18.722	ug/l 98
34) Benzene	8.04	78	971128	19.011	ug/l 98
35) Methacrylonitrile	7.18	41	110728	19.630	ug/l 98
36) 1,2-Dichloroethane	8.13	62	293550	18.964	ug/l 100
37) Trichloroethene	8.84	130	252309	19.478	ug/l 95
38) Methylcyclohexane	9.08	83	381078	18.118	ug/l 96
39) 1,2-Dichloropropane	9.12	63	252801	18.462	ug/l 99
40) Dibromomethane	9.21	93	141381	19.107	ug/l 96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
 Data File : VN052533.D
 Acq On : 28 Nov 2018 21:41
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 11/29/2018 9:32:56 AM

Quant Time: Nov 29 02:39:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	305507	18.687	ug/l	98
42) Vinyl Acetate	5.90	43	2248433	91.404	ug/l	98
43) Ethyl Acetate	6.93	43	179524	18.570	ug/l #	68
44) Isopropyl Acetate	8.17	43	328631	19.383	ug/l #	76
45) 1,4-Dioxane	9.20	88	38521	415.305	ug/l	92
46) Methyl methacrylate	9.20	41	167960	19.079	ug/l	99
47) n-amyl Acetate	12.07	43	253386	18.025	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	288591	18.206	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	352906	18.273	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	203966	19.446	ug/l	100
51) Ethyl methacrylate	10.43	69	254827	19.344	ug/l	97
52) 1,3-Dichloropropane	10.71	76	354912	19.010	ug/l	99
53) Dibromochloromethane	10.90	129	215456	18.658	ug/l	98
54) 1,2-Dibromoethane	11.01	107	198968	19.412	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	728032	94.412	ug/l	99
56) Bromoform	12.13	173	139068	18.424	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	909813	97.689	ug/l	98
59) 2-Hexanone	10.75	43	586338	92.161	ug/l	98
61) Tetrachloroethene	10.63	164	238246	20.136	ug/l	97
62) Toluene	10.16	91	1050375	19.834	ug/l	100
64) Chlorobenzene	11.43	112	632986	19.582	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	220102	19.617	ug/l	99
66) Ethyl Benzene	11.51	91	1102060	19.308	ug/l	99
67) m/p-Xylenes	11.62	106	839375	39.473	ug/l	99
68) o-Xylene	11.95	106	410065	19.868	ug/l	99
69) Styrene	11.96	104	647071	19.424	ug/l	100
70) Isopropylbenzene	12.25	105	1087126	19.797	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	234759	19.652	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	197474m	19.258	ug/l	
73) Bromobenzene	12.53	156	263306	19.825	ug/l	95
74) n-propylbenzene	12.59	91	1207489	18.872	ug/l	99
75) 2-Chlorotoluene	12.68	91	721197	19.419	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	869355	19.600	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	55158	17.028	ug/l	97
78) 4-Chlorotoluene	12.78	91	699828	18.870	ug/l	100
79) tert-butylbenzene	12.99	119	770469	19.946	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	877312	19.767	ug/l	100
81) sec-Butylbenzene	13.17	105	1025966	19.069	ug/l	100
82) p-Isopropyltoluene	13.29	119	871512	19.023	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	451538	19.331	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	437923	19.404	ug/l	98
85) n-Butylbenzene	13.62	91	701785	17.833	ug/l	99
86) Hexachloroethane	13.88	117	139610	17.985	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	439077	19.753	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	32839	19.626	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	207475	18.945	ug/l	99
90) Hexachlorobutadiene	15.01	225	137103	19.084	ug/l	99
91) Naphthalene	15.14	128	435499	19.692	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	195327	19.354	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
Data File : VN052533.D
Acq On : 28 Nov 2018 21:41
Operator : MD\SY
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 30 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

MMDadoda
11/29/2018 9:32:56 AM

Quant Time: Nov 29 02:39:29 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:48:33 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:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112818\
Data File : VN052533.D
Acq On : 28 Nov 2018 21:41
Operator : MD\SY
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 30 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

MMDadoda
11/29/2018 9:32:56 AM

Quant Time: Nov 29 02:39:29 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration

