

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052219\
 Data File : VN055741.D
 Acq On : 23 May 2019 1:17
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 5/23/2019 12:30:05 PM

Quant Time: May 23 07:01:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:54:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	57740	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	309006	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	270948	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	113388	30.04	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.13%
60) 4-Bromofluorobenzene	12.40	95	121517	28.83	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.10%
63) Toluene-d8	10.09	98	373808	30.19	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	47161	18.629	ug/l 98
3) Chloromethane	2.06	50	70529	19.586	ug/l 97
4) Vinyl Chloride	2.19	62	73085	19.886	ug/l 99
5) Bromomethane	2.54	94	49917	23.198	ug/l 97
6) Chloroethane	2.69	64	45830	21.346	ug/l 98
7) Trichlorofluoromethane	3.01	101	93759	20.335	ug/l 98
8) Diethyl Ether	3.40	74	42241	20.840	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	55930	19.198	ug/l 99
10) 1,1-Dichloroethene	3.72	96	60351	19.802	ug/l 99
11) Methyl Iodide	3.94	142	84031	19.328	ug/l 99
12) Methyl Acetate	4.32	43	69280	18.587	ug/l 98
13) Acrolein	3.60	56	46432	89.652	ug/l 99
14) Acrylonitrile	4.99	53	164405	96.744	ug/l 100
15) Acetone	3.82	58	43277	82.000	ug/l 96
16) Carbon Disulfide	4.04	76	170272	19.486	ug/l 99
17) Allyl chloride	4.31	41	102836	18.735	ug/l 97
18) Methylene Chloride	4.55	84	70489	20.195	ug/l 97
19) trans-1,2-Dichloroethene	5.03	96	64521	19.680	ug/l 96
20) Diisopropyl ether	5.96	45	204454	19.201	ug/l 95
21) 1,1-Dichloroethane	5.84	63	118802	19.741	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	76699	20.059	ug/l 95
23) tert-Butyl Alcohol	4.81	59	71837	96.254	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	206222	19.942	ug/l 99
25) Chloroform	7.37	83	121534	20.447	ug/l 99
26) Cyclohexane	7.65	56	106089	19.109	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	86436	19.981	ug/l 98
30) 2-Butanone	6.84	43	217169	94.189	ug/l 99
31) 2,2-Dichloropropane	6.82	77	81177	16.126	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	104776	20.435	ug/l 99
33) Carbon Tetrachloride	7.77	117	93917	20.476	ug/l 98
34) Benzene	8.04	78	271877	20.357	ug/l 99
35) Methacrylonitrile	7.18	41	40803	19.173	ug/l 97
36) 1,2-Dichloroethane	8.12	62	89632	20.537	ug/l 99
37) Trichloroethene	8.83	130	75225	20.188	ug/l 97
38) Methylcyclohexane	9.08	83	104707	19.105	ug/l 98
39) 1,2-Dichloropropane	9.12	63	72536	20.204	ug/l 100
40) Dibromomethane	9.21	93	48387	20.871	ug/l 94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052219\
 Data File : VN055741.D
 Acq On : 23 May 2019 1:17
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 5/23/2019 12:30:05 PM

Quant Time: May 23 07:01:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:54:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	96732	20.358	ug/l	99
42) Vinyl Acetate	5.90	43	884046	98.755	ug/l	99
43) Ethyl Acetate	6.93	43	93158	20.555	ug/l #	100
44) Isopropyl Acetate	8.17	43	146817	19.563	ug/l #	89
45) 1,4-Dioxane	9.20	88	28289	400.677	ug/l	98
46) Methyl methacrylate	9.20	41	67683	19.330	ug/l	97
47) n-amyl Acetate	12.07	43	114888	18.508	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	97107	18.514	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	110250	19.204	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	68382	20.261	ug/l	98
51) Ethyl methacrylate	10.43	69	106158	19.514	ug/l	99
52) 1,3-Dichloropropane	10.71	76	112063	20.144	ug/l	100
53) Dibromochloromethane	10.90	129	80911	20.294	ug/l	97
54) 1,2-Dibromoethane	11.00	107	70970	20.321	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	194906	92.083	ug/l	99
56) Bromoform	12.13	173	60874	18.613	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	442950	98.753	ug/l	99
59) 2-Hexanone	10.75	43	302877	94.452	ug/l	99
61) Tetrachloroethene	10.63	164	76694	20.910	ug/l	96
62) Toluene	10.16	91	299357	20.546	ug/l	100
64) Chlorobenzene	11.43	112	178785	20.228	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	72715	20.419	ug/l	99
66) Ethyl Benzene	11.51	91	320449	20.129	ug/l	100
67) m/p-Xylenes	11.62	106	244940	40.502	ug/l	99
68) o-Xylene	11.95	106	121880	20.366	ug/l	99
69) Styrene	11.96	104	194987	19.749	ug/l	99
70) Isopropylbenzene	12.25	105	319126	20.381	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	98387	20.417	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	86042m	20.746	ug/l	
73) Bromobenzene	12.53	156	81636	19.707	ug/l	99
74) n-propylbenzene	12.59	91	330611	19.577	ug/l	99
75) 2-Chlorotoluene	12.67	91	207891	20.153	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	260428	20.122	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	27956	16.970	ug/l	98
78) 4-Chlorotoluene	12.77	91	190301	19.465	ug/l	100
79) tert-butylbenzene	12.99	119	231761	20.368	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	258091	20.087	ug/l	99
81) sec-Butylbenzene	13.17	105	288301	19.942	ug/l	100
82) p-Isopropyltoluene	13.29	119	261390	19.646	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	124997	19.249	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	114744	18.554	ug/l	99
85) n-Butylbenzene	13.61	91	191844	18.534	ug/l	100
86) Hexachloroethane	13.87	117	51793	19.791	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	128101	19.591	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	17334	18.979	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	57612	16.323	ug/l	99
90) Hexachlorobutadiene	15.01	225	47864	18.175	ug/l	99
91) Naphthalene	15.13	128	165351	17.146	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	63661	17.258	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052219\
Data File : VN055741.D
Acq On : 23 May 2019 1:17
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

MMDadoda
5/23/2019 12:30:05 PM

Quant Time: May 23 07:01:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 23 05:54:54 2019
Response via : Initial Calibration

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

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

