

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010920\
 Data File : VX014487.D
 Acq On : 09 Jan 2020 09:54
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

apatel
 1/10/2020 8:34:37 AM

Quant Time: Jan 09 14:39:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X121219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 13 01:35:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	78031	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	444711	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	405345	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	164013	29.35	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.83%
60) 4-Bromofluorobenzene	11.13	95	196250	29.98	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.93%
63) Toluene-d8	8.71	98	543052	29.97	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	82069	20.821	ug/l 99
3) Chloromethane	1.32	50	112160	20.189	ug/l 94
4) Vinyl Chloride	1.40	62	120981	21.243	ug/l 98
5) Bromomethane	1.64	94	73839	17.736	ug/l 100
6) Chloroethane	1.72	64	82369	23.415	ug/l 97
7) Trichlorofluoromethane	1.92	101	157012	22.156	ug/l 99
8) Diethyl Ether	2.18	74	70142	21.534	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	95431	22.579	ug/l 96
10) 1,1-Dichloroethene	2.37	96	92583	21.188	ug/l 98
11) Methyl Iodide	2.50	142	112087	19.926	ug/l 98
12) Methyl Acetate	2.76	43	141558	20.927	ug/l 100
13) Acrolein	2.28	56	101319	123.493	ug/l 98
14) Acrylonitrile	3.12	53	270382	102.246	ug/l 99
15) Acetone	2.43	58	95715	123.211	ug/l 88
16) Carbon Disulfide	2.56	76	250826	21.190	ug/l 99
17) Allyl chloride	2.72	41	171722	21.870	ug/l 92
18) Methylene Chloride	2.84	84	108040	20.179	ug/l 99
19) trans-1,2-Dichloroethene	3.16	96	100828	21.072	ug/l 92
20) Diisopropyl ether	3.84	45	343494	21.320	ug/l 90
21) 1,1-Dichloroethane	3.69	63	183786	21.018	ug/l 99
22) cis-1,2-Dichloroethene	4.59	96	116842	21.065	ug/l 97
23) tert-Butyl Alcohol	3.02	59	112429	108.394	ug/l # 100
24) Methyl tert-Butyl Ether	3.18	73	312547	21.175	ug/l 98
25) Chloroform	5.20	83	180619	21.666	ug/l 99
26) Cyclohexane	5.56	56	169880	21.788	ug/l # 100
29) 1,1-Dichloropropene	5.79	75	135212	21.049	ug/l 99
30) 2-Butanone	4.65	43	420271	110.998	ug/l 99
31) 2,2-Dichloropropane	4.57	77	152383m	25.645	ug/l
32) 1,1,1-Trichloroethane	5.48	97	149710	21.071	ug/l 99
33) Carbon Tetrachloride	5.77	117	128584	21.289	ug/l 97
34) Benzene	6.13	78	425194	21.228	ug/l 99
35) Methacrylonitrile	5.03	41	80736	19.826	ug/l 98
36) 1,2-Dichloroethane	6.18	62	141604	20.352	ug/l 99
37) Trichloroethene	7.20	130	117857	21.624	ug/l 92
38) Methylcyclohexane	7.45	83	173745	22.675	ug/l 99
39) 1,2-Dichloropropane	7.50	63	106845	20.538	ug/l 96
40) Dibromomethane	7.65	93	69172	20.814	ug/l 97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010920\
 Data File : VX014487.D
 Acq On : 09 Jan 2020 09:54
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020

Manual Integrations
 APPROVED

apatel
 1/10/2020 8:34:37 AM

Quant Time: Jan 09 14:39:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X121219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 13 01:35:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	136216	21.168	ug/l	98
42) Vinyl Acetate	3.80	43	1424265	106.545	ug/l	100
43) Ethyl Acetate	4.81	43	150653m	20.736	ug/l	
44) Isopropyl Acetate	6.43	43	246079	20.223	ug/l	99
45) 1,4-Dioxane	7.73	88	52719	462.648	ug/l	96
46) Methyl methacrylate	7.76	41	118593	20.065	ug/l	98
47) n-amyl Acetate	10.89	43	206750	19.109	ug/l	98
48) t-1,3-Dichloropropene	9.03	75	152002	21.642	ug/l	95
49) cis-1,3-Dichloropropene	8.43	75	166754	21.112	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	107542	20.968	ug/l	98
51) Ethyl methacrylate	9.17	69	164347	20.145	ug/l	95
52) 1,3-Dichloropropane	9.36	76	179147	20.559	ug/l	97
53) Dibromochloromethane	9.57	129	109750	21.400	ug/l	95
54) 1,2-Dibromoethane	9.67	107	110713	20.965	ug/l	97
55) 2-Chloroethyl vinyl ether	8.30	63	360910	100.356	ug/l	99
56) Bromoform	10.85	173	80667	20.170	ug/l	100
58) 4-Methyl-2-Pentanone	8.63	43	761155	100.361	ug/l	99
59) 2-Hexanone	9.48	43	611057	106.167	ug/l	99
61) Tetrachloroethene	9.33	164	129922	24.229	ug/l	96
62) Toluene	8.78	91	455758	21.141	ug/l	99
64) Chlorobenzene	10.13	112	287558	21.290	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.21	131	104047	20.804	ug/l	99
66) Ethyl Benzene	10.25	91	502323	21.291	ug/l	99
67) m/p-Xylenes	10.36	106	388109	43.033	ug/l	100
68) o-Xylene	10.69	106	185052	20.712	ug/l	98
69) Styrene	10.71	104	311830	20.524	ug/l	99
70) Isopropylbenzene	11.01	105	496487	21.504	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	154488	18.868	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	132917m	18.237	ug/l	
73) Bromobenzene	11.25	156	129247	20.970	ug/l	98
74) n-propylbenzene	11.35	91	567373	21.666	ug/l	98
75) 2-Chlorotoluene	11.42	91	331831	20.971	ug/l	98
76) 1,3,5-Trimethylbenzene	11.50	105	414256	21.151	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	49335	20.499	ug/l	93
78) 4-Chlorotoluene	11.51	91	382417	21.150	ug/l	99
79) tert-butylbenzene	11.76	119	390839	20.703	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	413913	21.135	ug/l	100
81) sec-Butylbenzene	11.94	105	475570	21.179	ug/l	99
82) p-Isopropyltoluene	12.06	119	435650	21.499	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	225463	20.987	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	227094	21.229	ug/l	100
85) n-Butylbenzene	12.38	91	375255	22.025	ug/l	99
86) Hexachloroethane	12.59	117	74643	20.305	ug/l	98
87) 1,2-Dichlorobenzene	12.39	146	225468	20.663	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	12.99	75	31639	19.387	ug/l	94
89) 1,2,4-Trichlorobenzene	13.64	180	151079	21.664	ug/l	97
90) Hexachlorobutadiene	13.78	225	74139	22.366	ug/l	95
91) Naphthalene	13.83	128	446030	21.279	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	153791	21.742	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010920\
Data File : VX014487.D
Acq On : 09 Jan 2020 09:54
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

apatel
1/10/2020 8:34:37 AM

Quant Time: Jan 09 14:39:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X121219W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 13 01:35:34 2019
Response via : Initial Calibration

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

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

