

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032620\
 Data File : VX015363.D
 Acq On : 26 Mar 2020 18:01
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

apatel
 3/27/2020 6:00:00 PM

Quant Time: Mar 27 08:28:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 26 02:31:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.99	128	197413	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	1106519	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	1004650	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.04	65	480232	31.13	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.77%
60) 4-Bromofluorobenzene	11.12	95	526065	30.60	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.00%
63) Toluene-d8	8.70	98	1304429	30.56	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.87%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	169895	18.021 ug/l	95
3) Chloromethane	1.31	50	213005	18.307 ug/l	98
4) Vinyl Chloride	1.39	62	208079	18.590 ug/l	98
5) Bromomethane	1.63	94	152812	25.646 ug/l	97
6) Chloroethane	1.72	64	130013	18.618 ug/l	96
7) Trichlorofluoromethane	1.92	101	297905	18.624 ug/l	98
8) Diethyl Ether	2.17	74	115289	18.733 ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	201705	19.060 ug/l	98
10) 1,1-Dichloroethene	2.36	96	203707	18.951 ug/l	96
11) Methyl Iodide	2.50	142	198893	13.923 ug/l	99
12) Methyl Acetate	2.75	43	323348	20.557 ug/l	97
13) Acrolein	2.27	56	184771	90.300 ug/l	92
14) Acrylonitrile	3.12	53	684401	101.635 ug/l	99
15) Acetone	2.42	58	174173	101.719 ug/l	89
16) Carbon Disulfide	2.55	76	592260	18.848 ug/l	98
17) Allyl chloride	2.71	41	470828	19.400 ug/l	98
18) Methylene Chloride	2.84	84	233804	19.373 ug/l	100
19) trans-1,2-Dichloroethene	3.14	96	226571	19.485 ug/l	98
20) Diisopropyl ether	3.83	45	865780	19.891 ug/l	99
21) 1,1-Dichloroethane	3.67	63	434586	19.559 ug/l	99
22) cis-1,2-Dichloroethene	4.57	96	253432	18.919 ug/l	99
23) tert-Butyl Alcohol	3.01	59	338092	102.073 ug/l #	100
24) Methyl tert-Butyl Ether	3.17	73	781988	19.594 ug/l	99
25) Chloroform	5.18	83	420250	19.135 ug/l	94
26) Cyclohexane	5.55	56	401245	18.901 ug/l #	99
29) 1,1-Dichloropropene	5.78	75	325215	19.563 ug/l	99
30) 2-Butanone	4.64	43	1028285	103.182 ug/l	98
31) 2,2-Dichloropropane	4.56	77	384281	19.209 ug/l	99
32) 1,1,1-Trichloroethane	5.47	97	391273	19.291 ug/l	99
33) Carbon Tetrachloride	5.76	117	349715	18.920 ug/l	98
34) Benzene	6.12	78	938107	19.579 ug/l	99
35) Methacrylonitrile	5.01	41	232796	20.599 ug/l	98
36) 1,2-Dichloroethane	6.17	62	373450	20.171 ug/l	100
37) Trichloroethene	7.19	130	260386	19.301 ug/l	100
38) Methylcyclohexane	7.44	83	389581	19.116 ug/l	99
39) 1,2-Dichloropropane	7.50	63	252108	19.590 ug/l	95
40) Dibromomethane	7.64	93	164059	19.152 ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032620\
 Data File : VX015363.D
 Acq On : 26 Mar 2020 18:01
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

apatel
 3/27/2020 6:00:00 PM

Quant Time: Mar 27 08:28:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 26 02:31:53 2020
 Response via : Initial Calibration

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

41) Bromodichloromethane	7.88	83	356220	19.135	ug/l	99
42) Vinyl Acetate	3.79	43	3940963	104.368	ug/l	100
43) Ethyl Acetate	4.80	43	398562	18.386	ug/l #	81
44) Isopropyl Acetate	6.42	43	703506	20.165	ug/l	98
45) 1,4-Dioxane	7.72	88	121553	378.214	ug/l	99
46) Methyl methacrylate	7.75	41	344658	19.797	ug/l	99
47) n-amyl Acetate	10.88	43	580964	19.313	ug/l	98
48) t-1,3-Dichloropropene	9.03	75	411207	19.134	ug/l	98
49) cis-1,3-Dichloropropene	8.42	75	427492	19.271	ug/l	99
50) 1,1,2-Trichloroethane	9.20	97	234746	19.096	ug/l	96
51) Ethyl methacrylate	9.16	69	413634	19.564	ug/l	99
52) 1,3-Dichloropropane	9.36	76	407121	19.174	ug/l	98
53) Dibromochloromethane	9.56	129	277823	18.333	ug/l	98
54) 1,2-Dibromoethane	9.65	107	255671	19.383	ug/l	99
55) 2-Chloroethyl vinyl ether	8.29	63	966771	96.816	ug/l	99
56) Bromoform	10.84	173	230435	18.494	ug/l	99
58) 4-Methyl-2-Pentanone	8.62	43	2041046	106.151	ug/l	99
59) 2-Hexanone	9.48	43	1529160	104.538	ug/l	100
61) Tetrachloroethene	9.32	164	247323	19.152	ug/l	97
62) Toluene	8.77	91	998700	19.626	ug/l	99
64) Chlorobenzene	10.12	112	632267	19.325	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.21	131	252831	18.911	ug/l	98
66) Ethyl Benzene	10.24	91	1150779	19.796	ug/l	98
67) m/p-Xylenes	10.34	106	856878	38.944	ug/l	99
68) o-Xylene	10.68	106	414894	19.292	ug/l	100
69) Styrene	10.70	104	718303	19.170	ug/l	99
70) Isopropylbenzene	11.00	105	1114132	19.542	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.25	83	364948	19.750	ug/l	98
72) 1,2,3-Trichloropropane	11.28	75	344987m	19.952	ug/l	
73) Bromobenzene	11.24	156	289442	18.912	ug/l	99
74) n-propylbenzene	11.34	91	1278373	19.549	ug/l	100
75) 2-Chlorotoluene	11.40	91	775083	19.488	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	951704	19.438	ug/l	99
77) t-1,4-Dichloro-2-butene	11.06	75	140756	18.891	ug/l	98
78) 4-Chlorotoluene	11.49	91	896241	19.478	ug/l	99
79) tert-butylbenzene	11.76	119	914024	18.679	ug/l	99
80) 1,2,4-Trimethylbenzene	11.79	105	954172	19.238	ug/l	99
81) sec-Butylbenzene	11.93	105	1080235	19.244	ug/l	99
82) p-Isopropyltoluene	12.05	119	1020483	19.289	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	499972	18.168	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	514519	18.735	ug/l	99
85) n-Butylbenzene	12.37	91	903908	19.168	ug/l	99
86) Hexachloroethane	12.58	117	191630	18.741	ug/l	96
87) 1,2-Dichlorobenzene	12.38	146	506059	18.849	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	94088	19.331	ug/l	99
89) 1,2,4-Trichlorobenzene	13.63	180	382295	17.676	ug/l	98
90) Hexachlorobutadiene	13.77	225	189622	16.643	ug/l	100
91) Naphthalene	13.82	128	1234603	19.713	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	383278	17.839	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032620\
Data File : VX015363.D
Acq On : 26 Mar 2020 18:01
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

apatel
3/27/2020 6:00:00 PM

Quant Time: Mar 27 08:28:28 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 26 02:31:53 2020
Response via : Initial Calibration

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

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

