

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102620\
 Data File : VX019121.D
 Acq On : 26 Oct 2020 16:01
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 10/27/2020 6:55:19 PM

Quant Time: Oct 27 05:26:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 26 11:58:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	42117	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.82	114	238846	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	214785	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	85556	30.50	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.67%
60) 4-Bromofluorobenzene	11.12	95	98455	30.54	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	101.80%
63) Toluene-d8	8.70	98	285916	30.15	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	36239	17.122 ug/l	98
3) Chloromethane	1.31	50	34418	17.997 ug/l	100
4) Vinyl Chloride	1.39	62	44565	17.780 ug/l	97
5) Bromomethane	1.64	94	41470	21.520 ug/l	96
6) Chloroethane	1.72	64	30070	17.703 ug/l	99
7) Trichlorofluoromethane	1.92	101	77683	17.799 ug/l	94
8) Diethyl Ether	2.17	74	30515	18.652 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	39220	18.806 ug/l	98
10) 1,1-Dichloroethene	2.36	96	38521	18.169 ug/l	97
11) Methyl Iodide	2.49	142	38587	21.190 ug/l	96
12) Methyl Acetate	2.75	43	41085	19.575 ug/l	98
13) Acrolein	2.27	56	21370	110.580 ug/l	90
14) Acrylonitrile	3.11	53	94240	95.575 ug/l	99
15) Acetone	2.42	58	29446	104.247 ug/l	91
16) Carbon Disulfide	2.55	76	90800	15.408 ug/l	99
17) Allyl chloride	2.71	41	49760	18.789 ug/l	97
18) Methylene Chloride	2.83	84	45241	18.711 ug/l	98
19) trans-1,2-Dichloroethene	3.14	96	43841	17.705 ug/l	98
20) Diisopropyl ether	3.82	45	100770	18.783 ug/l	96
21) 1,1-Dichloroethane	3.67	63	74373	18.882 ug/l	99
22) cis-1,2-Dichloroethene	4.56	96	52683	18.367 ug/l	98
23) tert-Butyl Alcohol	3.01	59	49020	102.545 ug/l	# 100
24) Methyl tert-Butyl Ether	3.16	73	125818	18.768 ug/l	100
25) Chloroform	5.17	83	83045	19.028 ug/l	94
26) Cyclohexane	5.54	56	53190	17.377 ug/l	# 99
29) 1,1-Dichloropropene	5.77	75	59822	17.754 ug/l	100
30) 2-Butanone	4.63	43	129890	96.764 ug/l	99
31) 2,2-Dichloropropane	4.54	77	70889	18.388 ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	72755	17.965 ug/l	99
33) Carbon Tetrachloride	5.75	117	62363	17.744 ug/l	97
34) Benzene	6.11	78	178751	18.030 ug/l	97
35) Methacrylonitrile	5.00	41	26846	18.474 ug/l	99
36) 1,2-Dichloroethane	6.16	62	62614	18.411 ug/l	99
37) Trichloroethene	7.18	130	51726	18.151 ug/l	100
38) Methylcyclohexane	7.44	83	64482	17.073 ug/l	97
39) 1,2-Dichloropropane	7.49	63	43672	18.977 ug/l	100
40) Dibromomethane	7.63	93	32250	18.057 ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102620\
 Data File : VX019121.D
 Acq On : 26 Oct 2020 16:01
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 10/27/2020 6:55:19 PM

Quant Time: Oct 27 05:26:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 26 11:58:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.87	83	64591	18.292	ug/l	99
42) Vinyl Acetate	3.78	43	481568	92.202	ug/l	100
43) Ethyl Acetate	4.79	43	51936	18.443	ug/l	97
44) Isopropyl Acetate	6.40	43	86636	18.373	ug/l	100
45) 1,4-Dioxane	7.73	88	19843	400.350	ug/l	99
46) Methyl methacrylate	7.74	41	40176	18.001	ug/l	98
47) n-amyl Acetate	10.88	43	69162	18.285	ug/l	98
48) t-1,3-Dichloropropene	9.02	75	69859	17.672	ug/l	100
49) cis-1,3-Dichloropropene	8.42	75	75909	18.045	ug/l	99
50) 1,1,2-Trichloroethane	9.20	97	47734	18.452	ug/l	99
51) Ethyl methacrylate	9.16	69	66732	17.679	ug/l	96
52) 1,3-Dichloropropane	9.35	76	77961	18.499	ug/l	99
53) Dibromochloromethane	9.56	129	51013	17.714	ug/l	99
54) 1,2-Dibromoethane	9.65	107	50655	18.020	ug/l	100
55) 2-Chloroethyl vinyl ether	8.29	63	187054	92.726	ug/l	100
56) Bromoform	10.84	173	34534	17.153	ug/l	99
58) 4-Methyl-2-Pentanone	8.62	43	259805	95.918	ug/l	100
59) 2-Hexanone	9.47	43	194334	96.282	ug/l	100
61) Tetrachloroethene	9.32	164	48597	19.072	ug/l	92
62) Toluene	8.76	91	201221	17.825	ug/l	99
64) Chlorobenzene	10.12	112	129938	18.517	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.20	131	46071	18.052	ug/l	99
66) Ethyl Benzene	10.23	91	226413	18.294	ug/l	100
67) m/p-Xylenes	10.34	106	172516	36.551	ug/l	100
68) o-Xylene	10.68	106	82068	18.231	ug/l	99
69) Styrene	10.70	104	137222	18.093	ug/l	100
70) Isopropylbenzene	11.00	105	226497	18.713	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.25	83	71044	20.332	ug/l	100
72) 1,2,3-Trichloropropane	11.28	75	64642m	20.572	ug/l	
73) Bromobenzene	11.24	156	54185	18.318	ug/l	97
74) n-propylbenzene	11.34	91	256065	18.684	ug/l	99
75) 2-Chlorotoluene	11.40	91	149134	19.238	ug/l	100
76) 1,3,5-Trimethylbenzene	11.49	105	184980	18.834	ug/l	99
77) t-1,4-Dichloro-2-butene	11.05	75	22179	17.773	ug/l	90
78) 4-Chlorotoluene	11.49	91	173693	19.067	ug/l	99
79) tert-butylbenzene	11.76	119	184161	19.042	ug/l	100
80) 1,2,4-Trimethylbenzene	11.79	105	184936	18.942	ug/l	99
81) sec-Butylbenzene	11.93	105	219711	19.199	ug/l	99
82) p-Isopropyltoluene	12.05	119	203471	19.292	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	104029	19.677	ug/l	98
84) 1,4-Dichlorobenzene	12.08	146	105712	19.693	ug/l	98
85) n-Butylbenzene	12.37	91	182642	19.341	ug/l	99
86) Hexachloroethane	12.58	117	29573	18.256	ug/l	100
87) 1,2-Dichlorobenzene	12.37	146	100608	19.878	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	12.98	75	14566	18.418	ug/l	98
89) 1,2,4-Trichlorobenzene	13.63	180	69099	18.971	ug/l	100
90) Hexachlorobutadiene	13.76	225	31061	20.112	ug/l	97
91) Naphthalene	13.82	128	219901	18.442	ug/l	99
92) 1,2,3-Trichlorobenzene	14.00	180	68518	19.555	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102620\
Data File : VX019121.D
Acq On : 26 Oct 2020 16:01
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

MMDadoda
10/27/2020 6:55:19 PM

Quant Time: Oct 27 05:26:24 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102320W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Oct 26 11:58:08 2020
Response via : Initial Calibration

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

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

