

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102620\
 Data File : VX019116.D
 Acq On : 26 Oct 2020 11:45
 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

MMDadoda
 10/27/2020 6:55:06 PM

Quant Time: Oct 27 05:20:08 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	45687	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	262641	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.09	117	233182	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	93025	30.57	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.90%
60) 4-Bromofluorobenzene	11.12	95	109448	31.27	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	104.23%
63) Toluene-d8	8.70	98	313144	30.42	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	43646	19.010	ug/l 98
3) Chloromethane	1.31	50	40002	19.282	ug/l 99
4) Vinyl Chloride	1.39	62	51409	18.908	ug/l 100
5) Bromomethane	1.64	94	48161	23.039	ug/l 99
6) Chloroethane	1.72	64	35398	19.212	ug/l 98
7) Trichlorofluoromethane	1.92	101	90418	19.098	ug/l 95
8) Diethyl Ether	2.17	74	34594	19.493	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	46232	20.436	ug/l 99
10) 1,1-Dichloroethene	2.36	96	44628	19.405	ug/l 93
11) Methyl Iodide	2.49	142	44039	21.912	ug/l 95
12) Methyl Acetate	2.75	43	46234	20.307	ug/l 95
13) Acrolein	2.27	56	21596	103.017	ug/l 95
14) Acrylonitrile	3.11	53	108661	101.589	ug/l 98
15) Acetone	2.42	58	35044	114.371	ug/l 98
16) Carbon Disulfide	2.55	76	109334	17.104	ug/l 100
17) Allyl chloride	2.71	41	59030	20.548	ug/l 99
18) Methylene Chloride	2.83	84	52937	20.183	ug/l 100
19) trans-1,2-Dichloroethene	3.14	96	52125	19.406	ug/l 98
20) Diisopropyl ether	3.82	45	119311	20.501	ug/l 93
21) 1,1-Dichloroethane	3.67	63	86564	20.259	ug/l 99
22) cis-1,2-Dichloroethene	4.56	96	61379	19.727	ug/l 99
23) tert-Butyl Alcohol	3.01	59	55460	106.951	ug/l # 100
24) Methyl tert-Butyl Ether	3.16	73	147445	20.275	ug/l 99
25) Chloroform	5.17	83	95680	20.210	ug/l 96
26) Cyclohexane	5.54	56	63222	19.041	ug/l # 100
29) 1,1-Dichloropropene	5.76	75	71201	19.217	ug/l 99
30) 2-Butanone	4.63	43	149921	101.568	ug/l 99
31) 2,2-Dichloropropane	4.54	77	85129	20.081	ug/l 97
32) 1,1,1-Trichloroethane	5.46	97	86194	19.355	ug/l 100
33) Carbon Tetrachloride	5.75	117	74333	19.234	ug/l 96
34) Benzene	6.11	78	210352	19.295	ug/l 99
35) Methacrylonitrile	5.00	41	31216	19.536	ug/l 98
36) 1,2-Dichloroethane	6.16	62	72566	19.404	ug/l 99
37) Trichloroethene	7.18	130	60830	19.412	ug/l 100
38) Methylcyclohexane	7.43	83	77326	18.619	ug/l 98
39) 1,2-Dichloropropane	7.49	63	51188	20.227	ug/l 98
40) Dibromomethane	7.63	93	38041	19.369	ug/l 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102620\
 Data File : VX019116.D
 Acq On : 26 Oct 2020 11:45
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sample ID :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 10/27/2020 6:55:06 PM

Quant Time: Oct 27 05:20:08 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	74614	19.216	ug/l	97
42) Vinyl Acetate	3.78	43	562084	97.867	ug/l	100
43) Ethyl Acetate	4.78	43	59023	19.061	ug/l	100
44) Isopropyl Acetate	6.40	43	100607	19.403	ug/l	100
45) 1,4-Dioxane	7.73	88	22457	412.040	ug/l	99
46) Methyl methacrylate	7.74	41	47238	19.248	ug/l	99
47) n-amyl Acetate	10.88	43	81260	19.537	ug/l	100
48) t-1,3-Dichloropropene	9.02	75	82967	19.087	ug/l	99
49) cis-1,3-Dichloropropene	8.42	75	90604	19.587	ug/l	99
50) 1,1,2-Trichloroethane	9.20	97	55711	19.584	ug/l	99
51) Ethyl methacrylate	9.16	69	79492	19.151	ug/l	97
52) 1,3-Dichloropropane	9.35	76	90946	19.625	ug/l	100
53) Dibromochloromethane	9.56	129	61317	19.363	ug/l	99
54) 1,2-Dibromoethane	9.65	107	59214	19.156	ug/l	99
55) 2-Chloroethyl vinyl ether	8.29	63	196037	88.375	ug/l	100
56) Bromoform	10.84	173	43235	19.529	ug/l	99
58) 4-Methyl-2-Pentanone	8.62	43	297383	101.130	ug/l	100
59) 2-Hexanone	9.47	43	227264	103.713	ug/l	99
61) Tetrachloroethene	9.32	164	58975	21.319	ug/l	97
62) Toluene	8.76	91	240631	19.635	ug/l	98
64) Chlorobenzene	10.12	112	152882	20.068	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.20	131	55925	20.185	ug/l	99
66) Ethyl Benzene	10.23	91	265711	19.776	ug/l	97
67) m/p-Xylenes	10.34	106	204009	39.814	ug/l	99
68) o-Xylene	10.68	106	97688	19.989	ug/l	99
69) Styrene	10.70	104	161850	19.656	ug/l	99
70) Isopropylbenzene	11.00	105	261815	19.925	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.25	83	80737	21.283	ug/l	100
72) 1,2,3-Trichloropropane	11.28	75	74506m	21.840	ug/l	
73) Bromobenzene	11.24	156	66153	20.599	ug/l	98
74) n-propylbenzene	11.34	91	306702	20.614	ug/l	100
75) 2-Chlorotoluene	11.40	91	174746	20.763	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	220570	20.686	ug/l	99
77) t-1,4-Dichloro-2-butene	11.05	75	26754	19.747	ug/l	93
78) 4-Chlorotoluene	11.49	91	206314	20.861	ug/l	98
79) tert-butylbenzene	11.75	119	214839	20.461	ug/l	99
80) 1,2,4-Trimethylbenzene	11.79	105	219124	20.673	ug/l	99
81) sec-Butylbenzene	11.93	105	261544	21.051	ug/l	100
82) p-Isopropyltoluene	12.05	119	240205	20.978	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	121925	21.242	ug/l	100
84) 1,4-Dichlorobenzene	12.08	146	124705	21.399	ug/l	99
85) n-Butylbenzene	12.37	91	220277	21.486	ug/l	100
86) Hexachloroethane	12.58	117	35462	20.164	ug/l	100
87) 1,2-Dichlorobenzene	12.38	146	118081	21.489	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	12.98	75	16894	19.677	ug/l	98
89) 1,2,4-Trichlorobenzene	13.63	180	84110	21.270	ug/l	98
90) Hexachlorobutadiene	13.76	225	35963	21.449	ug/l	99
91) Naphthalene	13.82	128	262008	20.240	ug/l	99
92) 1,2,3-Trichlorobenzene	14.00	180	81839	21.515	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102620\
Data File : VX019116.D
Acq On : 26 Oct 2020 11:45
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

MMDadoda
10/27/2020 6:55:06 PM

Quant Time: Oct 27 05:20:08 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

