

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050219\
 Data File : VX009265.D
 Acq On : 02 May 2019 09:50
 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
 5/3/2019 11:19:33 AM

Quant Time: May 03 07:15:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	32662	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	186639	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	164272	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	79395	29.30	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.67%
60) 4-Bromofluorobenzene	11.13	95	83614	29.95	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.83%
63) Toluene-d8	8.71	98	239393	30.74	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.47%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	34842	20.075	ug/l 99
3) Chloromethane	1.32	50	46449	19.911	ug/l 100
4) Vinyl Chloride	1.40	62	45202	19.423	ug/l 97
5) Bromomethane	1.64	94	25489	17.278	ug/l 95
6) Chloroethane	1.72	64	27894	18.276	ug/l 98
7) Trichlorofluoromethane	1.93	101	57202	19.905	ug/l 99
8) Diethyl Ether	2.18	74	26108	19.566	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	36992	20.791	ug/l 98
10) 1,1-Dichloroethene	2.37	96	35553	19.901	ug/l 98
11) Methyl Iodide	2.51	142	33908	17.460	ug/l 96
12) Methyl Acetate	2.77	43	61864	18.385	ug/l 100
13) Acrolein	2.29	56	39173	84.878	ug/l 99
14) Acrylonitrile	3.14	53	137665	94.270	ug/l 100
15) Acetone	2.44	58	41159	98.166	ug/l 98
16) Carbon Disulfide	2.57	76	94267	19.502	ug/l 99
17) Allyl chloride	2.73	41	83318	19.426	ug/l 100
18) Methylene Chloride	2.85	84	42292	19.588	ug/l 95
19) trans-1,2-Dichloroethene	3.16	96	37216	19.538	ug/l 99
20) Diisopropyl ether	3.85	45	165526	19.598	ug/l 95
21) 1,1-Dichloroethane	3.69	63	79589	19.471	ug/l 98
22) cis-1,2-Dichloroethene	4.59	96	44599	19.438	ug/l 98
23) tert-Butyl Alcohol	3.04	59	56102	90.855	ug/l 100
24) Methyl tert-Butyl Ether	3.19	73	133667	19.119	ug/l 100
25) Chloroform	5.21	83	73142	19.609	ug/l 95
26) Cyclohexane	5.57	56	75966	19.941	ug/l # 98
29) 1,1-Dichloropropene	5.79	75	56003	20.450	ug/l 100
30) 2-Butanone	4.67	43	211554	98.639	ug/l 100
31) 2,2-Dichloropropane	4.58	77	60848	20.154	ug/l 100
32) 1,1,1-Trichloroethane	5.49	97	59333	19.985	ug/l 98
33) Carbon Tetrachloride	5.78	117	49558	19.951	ug/l 99
34) Benzene	6.13	78	171296	20.288	ug/l 99
35) Methacrylonitrile	5.04	41	44908	20.013	ug/l 97
36) 1,2-Dichloroethane	6.19	62	62397	20.367	ug/l 98
37) Trichloroethene	7.21	130	41067	20.206	ug/l 95
38) Methylcyclohexane	7.46	83	70786	20.921	ug/l 99
39) 1,2-Dichloropropane	7.51	63	48373	20.119	ug/l 100
40) Dibromomethane	7.66	93	27846	20.406	ug/l 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050219\
 Data File : VX009265.D
 Acq On : 02 May 2019 09:50
 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
 5/3/2019 11:19:33 AM

Quant Time: May 03 07:15:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	55519	19.918	ug/l	100
42) Vinyl Acetate	3.81	43	710633	100.392	ug/l	99
43) Ethyl Acetate	4.82	43	75897	19.584	ug/l	99
44) Isopropyl Acetate	6.44	43	120259	19.155	ug/l	100
45) 1,4-Dioxane	7.74	88	23729	384.963	ug/l	98
46) Methyl methacrylate	7.76	41	59821	19.090	ug/l	98
47) n-amyl Acetate	10.90	43	106988	18.917	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	63017	19.376	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	70334	19.699	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	41310	19.759	ug/l	97
51) Ethyl methacrylate	9.18	69	74243	19.216	ug/l	96
52) 1,3-Dichloropropane	9.37	76	74079	19.965	ug/l	100
53) Dibromochloromethane	9.58	129	41690	20.022	ug/l	99
54) 1,2-Dibromoethane	9.67	107	42280	19.718	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	206059	100.088	ug/l	100
56) Bromoform	10.85	173	29870	18.688	ug/l	98
58) 4-Methyl-2-Pentanone	8.63	43	393728	97.475	ug/l	100
59) 2-Hexanone	9.49	43	314253	99.191	ug/l	100
61) Tetrachloroethene	9.34	164	39017	21.545	ug/l	98
62) Toluene	8.78	91	178911	20.382	ug/l	99
64) Chlorobenzene	10.13	112	107533	20.355	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	38664	19.988	ug/l	99
66) Ethyl Benzene	10.25	91	200046	20.457	ug/l	98
67) m/p-Xylenes	10.35	106	147434	41.294	ug/l	99
68) o-Xylene	10.69	106	71407	20.340	ug/l	99
69) Styrene	10.71	104	125325	20.336	ug/l	99
70) Isopropylbenzene	11.02	105	194882	20.641	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	67982	19.661	ug/l	100
72) 1,2,3-Trichloropropane	11.29	75	61331m	20.583	ug/l	
73) Bromobenzene	11.25	156	47392	20.316	ug/l	99
74) n-propylbenzene	11.36	91	225551	20.615	ug/l	100
75) 2-Chlorotoluene	11.42	91	134961	20.566	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	166014	20.758	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	22407	18.643	ug/l	99
78) 4-Chlorotoluene	11.51	91	152229	20.424	ug/l	100
79) tert-butylbenzene	11.77	119	157049	20.313	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	164768	20.555	ug/l	100
81) sec-Butylbenzene	11.94	105	190191	20.705	ug/l	100
82) p-Isopropyltoluene	12.06	119	172390	20.631	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	84206	20.213	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	83415	20.098	ug/l	99
85) n-Butylbenzene	12.38	91	158112	20.680	ug/l	99
86) Hexachloroethane	12.59	117	27263	19.175	ug/l	95
87) 1,2-Dichlorobenzene	12.39	146	85154	20.306	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	15316	19.062	ug/l	99
89) 1,2,4-Trichlorobenzene	13.65	180	61014	20.413	ug/l	99
90) Hexachlorobutadiene	13.78	225	30649	20.528	ug/l	99
91) Naphthalene	13.83	128	197347	20.166	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	62891	20.699	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050219\
Data File : VX009265.D
Acq On : 02 May 2019 09:50
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
5/3/2019 11:19:33 AM

Quant Time: May 03 07:15:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 02 06:46:57 2019
Response via : Initial Calibration

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

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

