

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030819\
 Data File : VX007922.D
 Acq On : 08 Mar 2019 10:47
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 3/11/2019 9:30:52 AM

Quant Time: Mar 08 12:11:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X030819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 08 11:07:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	45737	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	244279	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	218235	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	87804	29.68	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.93%
60) 4-Bromofluorobenzene	11.13	95	104603	31.23	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	104.10%
63) Toluene-d8	8.71	98	299240	30.34	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.13%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	131567	56.805	ug/l 100
3) Chloromethane	1.33	50	142735	56.075	ug/l 96
4) Vinyl Chloride	1.41	62	138441	48.352	ug/l 97
5) Bromomethane	1.64	94	64188	25.105	ug/l 98
6) Chloroethane	1.73	64	80268	41.242	ug/l 96
7) Trichlorofluoromethane	1.93	101	168893	37.631	ug/l 97
8) Diethyl Ether	2.19	74	92042	51.339	ug/l 89
9) 1,1,2-Trichlorotrifluoroet	2.39	101	134191	52.993	ug/l 99
10) 1,1-Dichloroethene	2.38	96	126624	50.393	ug/l 93
11) Methyl Iodide	2.51	142	206333	57.134	ug/l 96
12) Methyl Acetate	2.78	43	193050	55.711	ug/l 96
13) Acrolein	2.30	56	109425	181.027	ug/l 97
14) Acrylonitrile	3.15	53	431029	269.959	ug/l 100
15) Acetone	2.45	58	159102	367.177	ug/l 98
16) Carbon Disulfide	2.57	76	402986	60.478	ug/l 100
17) Allyl chloride	2.73	41	262748	61.032	ug/l 89
18) Methylene Chloride	2.86	84	141913	50.222	ug/l 93
19) trans-1,2-Dichloroethene	3.17	96	134314	49.977	ug/l 97
20) Diisopropyl ether	3.87	45	477367	58.674	ug/l 91
21) 1,1-Dichloroethane	3.70	63	257770	56.513	ug/l 98
22) cis-1,2-Dichloroethene	4.60	96	154287	51.587	ug/l 92
23) tert-Butyl Alcohol	3.07	59	173785	258.961	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	434921	49.877	ug/l 95
25) Chloroform	5.21	83	242299	50.297	ug/l 98
26) Cyclohexane	5.57	56	242029	63.279	ug/l # 90
29) 1,1-Dichloropropene	5.80	75	188782	55.403	ug/l 97
30) 2-Butanone	4.70	43	653397	324.027	ug/l 98
31) 2,2-Dichloropropane	4.59	77	174914	63.183	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	204744	50.271	ug/l 99
33) Carbon Tetrachloride	5.79	117	182705	50.747	ug/l 99
34) Benzene	6.14	78	578219	53.829	ug/l 97
35) Methacrylonitrile	5.06	41	125064	59.650	ug/l 95
36) 1,2-Dichloroethane	6.20	62	185524	50.750	ug/l 99
37) Trichloroethene	7.21	130	156314	50.614	ug/l 93
38) Methylcyclohexane	7.46	83	242836	61.564	ug/l 96
39) 1,2-Dichloropropane	7.52	63	152566	57.101	ug/l 98
40) Dibromomethane	7.66	93	95672	49.580	ug/l 92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030819\
 Data File : VX007922.D
 Acq On : 08 Mar 2019 10:47
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 3/11/2019 9:30:52 AM

Quant Time: Mar 08 12:11:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X030819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 08 11:07:55 2019
 Response via : Initial Calibration

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

41) Bromodichloromethane	7.90	83	182759	53.369	ug/l	100
42) Vinyl Acetate	3.82	43	2119019	300.219	ug/l	97
43) Ethyl Acetate	4.85	43	223602	57.903	ug/l #	82
44) Isopropyl Acetate	6.46	43	345625	57.969	ug/l	99
45) 1,4-Dioxane	7.75	88	72740	1033.742	ug/l	92
46) Methyl methacrylate	7.77	41	182739	60.526	ug/l	90
47) n-amyl Acetate	10.90	43	297026	56.521	ug/l	97
48) t-1,3-Dichloropropene	9.04	75	203227	57.487	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	228282	57.988	ug/l	97
50) 1,1,2-Trichloroethane	9.21	97	145438	51.691	ug/l	96
51) Ethyl methacrylate	9.18	69	228986	56.137	ug/l	94
52) 1,3-Dichloropropane	9.37	76	241829	53.285	ug/l	100
53) Dibromochloromethane	9.59	129	154193	52.690	ug/l	100
54) 1,2-Dibromoethane	9.67	107	154129	50.027	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	522507	251.952	ug/l	98
56) Bromoform	10.85	173	124863	56.566	ug/l #	98
58) 4-Methyl-2-Pentanone	8.65	43	1128893	287.586	ug/l	99
59) 2-Hexanone	9.49	43	879350	294.925	ug/l	99
61) Tetrachloroethene	9.34	164	153346	49.498	ug/l	97
62) Toluene	8.79	91	619558	52.128	ug/l	100
64) Chlorobenzene	10.14	112	394254	51.044	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	143858	51.422	ug/l	99
66) Ethyl Benzene	10.25	91	671424	53.235	ug/l	98
67) m/p-Xylenes	10.36	106	519303	104.975	ug/l	97
68) o-Xylene	10.70	106	253170	52.473	ug/l	99
69) Styrene	10.71	104	418098	53.700	ug/l	99
70) Isopropylbenzene	11.02	105	668641	52.530	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.27	83	217286	51.640	ug/l	98
72) 1,2,3-Trichloropropane	11.30	75	210619m	54.746	ug/l	
73) Bromobenzene	11.26	156	175916	50.621	ug/l	94
74) n-propylbenzene	11.36	91	759130	53.712	ug/l	98
75) 2-Chlorotoluene	11.42	91	449956	53.246	ug/l	95
76) 1,3,5-Trimethylbenzene	11.51	105	554472	53.364	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	67203	60.516	ug/l	87
78) 4-Chlorotoluene	11.51	91	510936	52.970	ug/l	97
79) tert-butylbenzene	12.06	119	601721	54.538	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	566249	53.686	ug/l	98
81) sec-Butylbenzene	11.94	105	669665	53.970	ug/l	99
82) p-Isopropyltoluene	12.06	119	601721	54.538	ug/l	98
83) 1,3-Dichlorobenzene	12.02	146	314201	51.430	ug/l	98
84) 1,4-Dichlorobenzene	12.10	146	311764	51.138	ug/l	98
85) n-Butylbenzene	12.39	91	514811	56.230	ug/l	99
86) Hexachloroethane	12.60	117	98742	53.905	ug/l	83
87) 1,2-Dichlorobenzene	12.39	146	308743	50.351	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	45062	51.318	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	221045	54.887	ug/l	99
90) Hexachlorobutadiene	13.78	225	122927	65.330	ug/l	99
91) Naphthalene	13.83	128	648630	50.500	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	221623	54.134	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030819\
Data File : VX007922.D
Acq On : 08 Mar 2019 10:47
Operator : JC/SP
Sample : VSTDICC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

MMDadoda
3/11/2019 9:30:52 AM

Quant Time: Mar 08 12:11:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X030819W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Mar 08 11:07:55 2019
Response via : Initial Calibration

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

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

