

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072720\
 Data File : VX017618.D
 Acq On : 27 Jul 2020 15:13
 Operator : JC/SP
 Sample : VX0727WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0727WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/28/2020 10:31:17 AM

Quant Time: Jul 28 01:19:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072720W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jul 27 11:38:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	109384	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	585914	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	539138	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	248872	29.61	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.70%
60) 4-Bromofluorobenzene	11.12	95	273919	30.00	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.00%
63) Toluene-d8	8.70	98	701318	29.40	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	185754	22.110	ug/l 96
3) Chloromethane	1.32	50	151967	18.699	ug/l 95
4) Vinyl Chloride	1.39	62	148936	18.413	ug/l 99
5) Bromomethane	1.64	94	94335	18.885	ug/l 93
6) Chloroethane	1.72	64	81778	17.941	ug/l 98
7) Trichlorofluoromethane	1.92	101	221083	17.652	ug/l 99
8) Diethyl Ether	2.17	74	60664	16.801	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	100601	17.743	ug/l 97
10) 1,1-Dichloroethene	2.36	96	92659	17.609	ug/l 94
11) Methyl Iodide	2.50	142	90582	13.675	ug/l 99
12) Methyl Acetate	2.75	43	148489	18.556	ug/l 97
13) Acrolein	2.28	56	85075	71.748	ug/l 100
14) Acrylonitrile	3.12	53	307919	92.034	ug/l 99
15) Acetone	2.42	58	82813	90.615	ug/l 96
16) Carbon Disulfide	2.55	76	247962	17.775	ug/l 99
17) Allyl chloride	2.71	41	171591	17.154	ug/l 95
18) Methylene Chloride	2.84	84	109738	17.774	ug/l 96
19) trans-1,2-Dichloroethene	3.14	96	96316	17.130	ug/l 99
20) Diisopropyl ether	3.82	45	374076	18.674	ug/l # 87
21) 1,1-Dichloroethane	3.67	63	198612	18.525	ug/l 98
22) cis-1,2-Dichloroethene	4.56	96	124157	18.688	ug/l 95
23) tert-Butyl Alcohol	3.01	59	139608	89.021	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	371895	17.760	ug/l 98
25) Chloroform	5.18	83	216384	18.171	ug/l 93
26) Cyclohexane	5.55	56	189544	19.877	ug/l # 97
29) 1,1-Dichloropropene	5.77	75	145780	17.500	ug/l 98
30) 2-Butanone	4.64	43	438818	93.051	ug/l 99
31) 2,2-Dichloropropane	4.56	77	179795	16.740	ug/l 98
32) 1,1,1-Trichloroethane	5.46	97	199075	17.678	ug/l 98
33) Carbon Tetrachloride	5.75	117	177551	17.058	ug/l 98
34) Benzene	6.12	78	427317	18.143	ug/l 99
35) Methacrylonitrile	5.01	41	92819	17.688	ug/l 95
36) 1,2-Dichloroethane	6.17	62	175497	17.534	ug/l 98
37) Trichloroethene	7.20	130	133512	18.467	ug/l 89
38) Methylcyclohexane	7.44	83	187855	17.820	ug/l 99
39) 1,2-Dichloropropane	7.49	63	120255	18.286	ug/l 95
40) Dibromomethane	7.64	93	81506	17.458	ug/l 97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072720\
 Data File : VX017618.D
 Acq On : 27 Jul 2020 15:13
 Operator : JC/SP
 Sample : VX0727WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0727WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/28/2020 10:31:17 AM

Quant Time: Jul 28 01:19:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072720W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jul 27 11:38:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	178045	17.221	ug/l	93
42) Vinyl Acetate	3.79	43	1368810	87.881	ug/l	100
43) Ethyl Acetate	4.80	43	155054	17.848	ug/l	98
44) Isopropyl Acetate	6.42	43	265487	17.597	ug/l	98
45) 1,4-Dioxane	7.71	88	55770	356.298	ug/l	98
46) Methyl methacrylate	7.74	41	134300	17.524	ug/l	94
47) n-amyl Acetate	10.88	43	230834	17.566	ug/l	100
48) t-1,3-Dichloropropene	9.02	75	192091	17.056	ug/l	99
49) cis-1,3-Dichloropropene	8.42	75	200681	16.655	ug/l	94
50) 1,1,2-Trichloroethane	9.20	97	122591	18.329	ug/l	98
51) Ethyl methacrylate	9.16	69	181348	17.982	ug/l	98
52) 1,3-Dichloropropane	9.35	76	201412	18.471	ug/l	100
53) Dibromochloromethane	9.57	129	148382	17.468	ug/l	98
54) 1,2-Dibromoethane	9.65	107	129515	17.804	ug/l	98
55) 2-Chloroethyl vinyl ether	8.29	63	479527	88.997	ug/l	99
56) Bromoform	10.84	173	115644	17.837	ug/l	98
58) 4-Methyl-2-Pentanone	8.62	43	877981	91.242	ug/l	99
59) 2-Hexanone	9.47	43	652900	96.411	ug/l	99
61) Tetrachloroethene	9.32	164	136147	18.534	ug/l	97
62) Toluene	8.77	91	477601	17.826	ug/l	100
64) Chlorobenzene	10.12	112	319714	18.258	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.21	131	135240	18.466	ug/l	99
66) Ethyl Benzene	10.24	91	547341	18.505	ug/l	99
67) m/p-Xylenes	10.34	106	422209	38.101	ug/l	99
68) o-Xylene	10.68	106	199582	18.130	ug/l	95
69) Styrene	10.70	104	353590	18.423	ug/l	99
70) Isopropylbenzene	11.00	105	565657	17.592	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.25	83	173088	19.314	ug/l	100
72) 1,2,3-Trichloropropane	11.28	75	171277m	19.063	ug/l	
73) Bromobenzene	11.24	156	153546	18.080	ug/l	99
74) n-propylbenzene	11.34	91	655609	18.090	ug/l	98
75) 2-Chlorotoluene	11.40	91	395050	18.116	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	485081	18.222	ug/l	97
77) t-1,4-Dichloro-2-butene	11.06	75	65558	17.931	ug/l	96
78) 4-Chlorotoluene	11.49	91	465636	18.319	ug/l	99
79) tert-butylbenzene	11.76	119	470727	18.045	ug/l	98
80) 1,2,4-Trimethylbenzene	11.79	105	496633	18.077	ug/l	100
81) sec-Butylbenzene	11.93	105	552789	17.761	ug/l	100
82) p-Isopropyltoluene	12.05	119	527159	18.249	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	281394	18.481	ug/l	98
84) 1,4-Dichlorobenzene	12.08	146	282303	18.634	ug/l	99
85) n-Butylbenzene	12.37	91	460317	16.692	ug/l	100
86) Hexachloroethane	12.58	117	99482	16.543	ug/l	96
87) 1,2-Dichlorobenzene	12.38	146	269560	17.658	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	44643	17.638	ug/l	96
89) 1,2,4-Trichlorobenzene	13.63	180	191597	17.105	ug/l	97
90) Hexachlorobutadiene	13.76	225	85002	16.751	ug/l	99
91) Naphthalene	13.82	128	571964	17.306	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	184561	17.268	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072720\
Data File : VX017618.D
Acq On : 27 Jul 2020 15:13
Operator : JC/SP
Sample : VX0727WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0727WBS01

Manual Integrations
APPROVED

MMDadoda
7/28/2020 10:31:17 AM

Quant Time: Jul 28 01:19:33 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072720W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Jul 27 11:38:31 2020
Response via : Initial Calibration

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

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

