

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102119\
 Data File : VX013157.D
 Acq On : 21 Oct 2019 17:18
 Operator : JC/SP
 Sample : VX1021WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX1021WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/22/2019 12:32:02 PM

Quant Time: Oct 22 02:16:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 22 01:53:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	28008	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	156852	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	139189	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	62865	28.51	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.03%
60) 4-Bromofluorobenzene	11.13	95	70979	29.29	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.63%
63) Toluene-d8	8.71	98	189298	30.58	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.93%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	38128	18.961	ug/l 98
3) Chloromethane	1.32	50	34018	19.404	ug/l 95
4) Vinyl Chloride	1.40	62	34799	19.199	ug/l 97
5) Bromomethane	1.63	94	21047	21.519	ug/l 100
6) Chloroethane	1.72	64	21790	18.839	ug/l 96
7) Trichlorofluoromethane	1.92	101	54356	18.661	ug/l 96
8) Diethyl Ether	2.18	74	18413	18.521	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	32436	18.232	ug/l 98
10) 1,1-Dichloroethene	2.36	96	31930	18.583	ug/l 96
11) Methyl Iodide	2.50	142	38282	17.300	ug/l 97
12) Methyl Acetate	2.76	43	44846	20.212	ug/l 99
13) Acrolein	2.28	56	32060	97.068	ug/l 98
14) Acrylonitrile	3.13	53	91746	98.875	ug/l 100
15) Acetone	2.43	58	29827	97.567	ug/l 97
16) Carbon Disulfide	2.56	76	83675	18.236	ug/l 98
17) Allyl chloride	2.72	41	52353	19.155	ug/l 99
18) Methylene Chloride	2.84	84	37651	18.925	ug/l 100
19) trans-1,2-Dichloroethene	3.16	96	35494	19.467	ug/l 96
20) Diisopropyl ether	3.85	45	103120	19.508	ug/l 89
21) 1,1-Dichloroethane	3.69	63	62388	19.438	ug/l 97
22) cis-1,2-Dichloroethene	4.59	96	39814	19.150	ug/l 98
23) tert-Butyl Alcohol	3.03	59	48380	98.964	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	113831	19.210	ug/l 98
25) Chloroform	5.20	83	65087	19.298	ug/l 98
26) Cyclohexane	5.56	56	52681	18.707	ug/l # 99
29) 1,1-Dichloropropene	5.79	75	47396	19.451	ug/l 85
30) 2-Butanone	4.66	43	135246	105.813	ug/l 98
31) 2,2-Dichloropropane	4.58	77	54517	19.352	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	58488	19.836	ug/l 98
33) Carbon Tetrachloride	5.78	117	48046	18.959	ug/l 94
34) Benzene	6.14	78	141368	20.152	ug/l 99
35) Methacrylonitrile	5.03	41	26103	19.914	ug/l 96
36) 1,2-Dichloroethane	6.18	62	53089	20.020	ug/l # 84
37) Trichloroethene	7.21	130	37080	19.057	ug/l 94
38) Methylcyclohexane	7.46	83	57551	19.366	ug/l 99
39) 1,2-Dichloropropane	7.51	63	34770	20.194	ug/l 97
40) Dibromomethane	7.65	93	24894	20.241	ug/l 97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102119\
 Data File : VX013157.D
 Acq On : 21 Oct 2019 17:18
 Operator : JC/SP
 Sample : VX1021WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1021WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/22/2019 12:32:02 PM

Quant Time: Oct 22 02:16:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 22 01:53:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	47472	19.143	ug/l	95
42) Vinyl Acetate	3.80	43	451055	101.765	ug/l	100
43) Ethyl Acetate	4.83	43	48617	20.854	ug/l	100
44) Isopropyl Acetate	6.44	43	79733	20.350	ug/l	99
45) 1,4-Dioxane	7.73	88	20858	420.950	ug/l	97
46) Methyl methacrylate	7.76	41	38880	20.166	ug/l	93
47) n-amyl Acetate	10.89	43	64340	19.481	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	52762	19.396	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	57920	19.569	ug/l	97
50) 1,1,2-Trichloroethane	9.21	97	36526	20.111	ug/l	98
51) Ethyl methacrylate	9.17	69	57019	20.022	ug/l	99
52) 1,3-Dichloropropane	9.37	76	62267	20.358	ug/l	100
53) Dibromochloromethane	9.58	129	37249	19.013	ug/l	99
54) 1,2-Dibromoethane	9.67	107	38929	20.046	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	118059	102.053	ug/l	99
56) Bromoform	10.86	173	26598	19.136	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	247092	105.352	ug/l	100
59) 2-Hexanone	9.48	43	193097	105.052	ug/l	99
61) Tetrachloroethene	9.33	164	38057	20.624	ug/l	96
62) Toluene	8.78	91	153410	20.417	ug/l	99
64) Chlorobenzene	10.14	112	97090	20.153	ug/l	96
65) 1,1,1,2-Tetrachloroethane	10.21	131	36010	19.953	ug/l	98
66) Ethyl Benzene	10.25	91	172160	19.908	ug/l	96
67) m/p-Xylenes	10.36	106	130529	39.714	ug/l	99
68) o-Xylene	10.70	106	64084	20.425	ug/l	91
69) Styrene	10.71	104	108141	20.028	ug/l	99
70) Isopropylbenzene	11.01	105	167364	19.439	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	53945	20.448	ug/l	97
72) 1,2,3-Trichloropropane	11.29	75	45852m	20.011	ug/l	
73) Bromobenzene	11.25	156	40259	19.485	ug/l	98
74) n-propylbenzene	11.35	91	189029	20.004	ug/l	99
75) 2-Chlorotoluene	11.42	91	113993	19.278	ug/l	98
76) 1,3,5-Trimethylbenzene	11.50	105	145651	20.153	ug/l	96
77) t-1,4-Dichloro-2-butene	11.07	75	16738	18.814	ug/l	95
78) 4-Chlorotoluene	11.51	91	132745	19.647	ug/l	97
79) tert-butylbenzene	11.76	119	135529	19.475	ug/l	96
80) 1,2,4-Trimethylbenzene	11.80	105	143946	19.937	ug/l	99
81) sec-Butylbenzene	11.94	105	161704	19.505	ug/l	100
82) p-Isopropyltoluene	12.06	119	148974	19.653	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	70453	18.672	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	70611	18.922	ug/l	100
85) n-Butylbenzene	12.39	91	117169	18.198	ug/l	99
86) Hexachloroethane	12.59	117	24822	18.761	ug/l	98
87) 1,2-Dichlorobenzene	12.39	146	71464	19.525	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.99	75	12394	19.066	ug/l	95
89) 1,2,4-Trichlorobenzene	13.64	180	41638	18.291	ug/l	94
90) Hexachlorobutadiene	13.78	225	21260	18.394	ug/l	98
91) Naphthalene	13.83	128	143011	19.313	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	43795	18.778	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102119\
Data File : VX013157.D
Acq On : 21 Oct 2019 17:18
Operator : JC/SP
Sample : VX1021WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations
APPROVED

MMDadoda
10/22/2019 12:32:02 PM

Quant Time: Oct 22 02:16:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Oct 22 01:53:07 2019
Response via : Initial Calibration

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

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

