

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112719\
 Data File : VX013656.D
 Acq On : 27 Nov 2019 16:55
 Operator : JC/SP
 Sample : VX1127WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX1127WBS02

Manual Integrations
 APPROVED

apatel
 12/2/2019 3:17:28 PM

Quant Time: Nov 28 03:04:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 12 01:16:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	112808	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	626578	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	559953	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	236978	28.45	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.83%
60) 4-Bromofluorobenzene	11.14	95	266469	29.61	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.70%
63) Toluene-d8	8.71	98	754617	29.80	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.33%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	161105	19.061	ug/l 99
3) Chloromethane	1.32	50	180305	19.573	ug/l 99
4) Vinyl Chloride	1.40	62	203022	19.396	ug/l 97
5) Bromomethane	1.64	94	111173	17.667	ug/l 100
6) Chloroethane	1.72	64	114042	19.821	ug/l 98
7) Trichlorofluoromethane	1.92	101	220428	19.562	ug/l 99
8) Diethyl Ether	2.18	74	102152	19.854	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	136973	20.204	ug/l 99
10) 1,1-Dichloroethene	2.37	96	131948	18.939	ug/l 98
11) Methyl Iodide	2.50	142	152118	17.683	ug/l 99
12) Methyl Acetate	2.76	43	235813	19.316	ug/l 97
13) Acrolein	2.28	56	113172	87.271	ug/l 98
14) Acrylonitrile	3.13	53	425050	94.682	ug/l 99
15) Acetone	2.43	58	142877	105.084	ug/l 96
16) Carbon Disulfide	2.56	76	348637	17.941	ug/l 99
17) Allyl chloride	2.72	41	235588	18.362	ug/l 98
18) Methylene Chloride	2.85	84	154005	19.483	ug/l 98
19) trans-1,2-Dichloroethene	3.15	96	145659	19.562	ug/l 97
20) Diisopropyl ether	3.84	45	475881	19.279	ug/l 89
21) 1,1-Dichloroethane	3.69	63	260666	19.388	ug/l 99
22) cis-1,2-Dichloroethene	4.58	96	165803	19.531	ug/l 97
23) tert-Butyl Alcohol	3.03	59	184206	85.263	ug/l # 100
24) Methyl tert-Butyl Ether	3.18	73	446240	19.353	ug/l 100
25) Chloroform	5.20	83	258067	19.610	ug/l 96
26) Cyclohexane	5.57	56	233145	19.096	ug/l # 99
29) 1,1-Dichloropropene	5.79	75	193985	20.270	ug/l 99
30) 2-Butanone	4.65	43	638872	101.137	ug/l 100
31) 2,2-Dichloropropane	4.58	77	206743	19.947	ug/l 100
32) 1,1,1-Trichloroethane	5.49	97	212441	19.971	ug/l 98
33) Carbon Tetrachloride	5.78	117	181650	19.660	ug/l 98
34) Benzene	6.14	78	596642	20.554	ug/l 99
35) Methacrylonitrile	5.03	41	124869	19.795	ug/l 97
36) 1,2-Dichloroethane	6.18	62	206523	20.326	ug/l 99
37) Trichloroethene	7.20	130	158605	20.395	ug/l 95
38) Methylcyclohexane	7.46	83	233426	19.892	ug/l 99
39) 1,2-Dichloropropane	7.51	63	150215	20.013	ug/l 95
40) Dibromomethane	7.65	93	98434	19.706	ug/l 97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112719\
 Data File : VX013656.D
 Acq On : 27 Nov 2019 16:55
 Operator : JC/SP
 Sample : VX1127WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX1127WBS02

Manual Integrations
 APPROVED

apatel
 12/2/2019 3:17:28 PM

Quant Time: Nov 28 03:04:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 12 01:16:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	188837	19.366	ug/l	98
42) Vinyl Acetate	3.80	43	1906310	95.852	ug/l	100
43) Ethyl Acetate	4.82	43	230416	19.999	ug/l	94
44) Isopropyl Acetate	6.43	43	357134	19.284	ug/l	98
45) 1,4-Dioxane	7.73	88	73193	357.970	ug/l	100
46) Methyl methacrylate	7.76	41	176897	19.202	ug/l	97
47) n-amyl Acetate	10.89	43	306195	18.849	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	205535	18.797	ug/l	96
49) cis-1,3-Dichloropropene	8.43	75	235751	19.677	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	149359	20.206	ug/l	96
51) Ethyl methacrylate	9.17	69	238558	19.602	ug/l	98
52) 1,3-Dichloropropane	9.37	76	257697	20.393	ug/l	99
53) Dibromochloromethane	9.58	129	154816	19.762	ug/l	94
54) 1,2-Dibromoethane	9.67	107	157134	19.881	ug/l	95
55) 2-Chloroethyl vinyl ether	8.31	63	484987	93.265	ug/l	99
56) Bromoform	10.85	173	115352	18.502	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	1167370	99.796	ug/l	100
59) 2-Hexanone	9.48	43	911430	98.475	ug/l	99
61) Tetrachloroethene	9.33	164	170224	24.653	ug/l	99
62) Toluene	8.78	91	639312	20.497	ug/l	99
64) Chlorobenzene	10.14	112	395457	20.278	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.21	131	145452	19.925	ug/l	99
66) Ethyl Benzene	10.25	91	697819	20.365	ug/l	100
67) m/p-Xylenes	10.35	106	529389	40.051	ug/l	98
68) o-Xylene	10.70	106	259765	20.364	ug/l	98
69) Styrene	10.71	104	435883	20.011	ug/l	99
70) Isopropylbenzene	11.01	105	691142	20.562	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	239574	19.906	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	195216m	19.210	ug/l	
73) Bromobenzene	11.25	156	179866	20.291	ug/l	98
74) n-propylbenzene	11.35	91	783248	20.504	ug/l	99
75) 2-Chlorotoluene	11.42	91	463042	20.384	ug/l	100
76) 1,3,5-Trimethylbenzene	11.50	105	565506	20.016	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	73054	17.779	ug/l	92
78) 4-Chlorotoluene	11.51	91	520723	20.008	ug/l	99
79) tert-butylbenzene	11.76	119	539312	18.919	ug/l	97
80) 1,2,4-Trimethylbenzene	11.80	105	567933	20.172	ug/l	100
81) sec-Butylbenzene	11.94	105	656869	20.197	ug/l	99
82) p-Isopropyltoluene	12.06	119	614050	20.492	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	310637	19.933	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	313557	20.270	ug/l	98
85) n-Butylbenzene	12.39	91	525511	20.319	ug/l	99
86) Hexachloroethane	12.59	117	102274	18.599	ug/l	99
87) 1,2-Dichlorobenzene	12.39	146	312511	20.054	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	48801	18.132	ug/l	99
89) 1,2,4-Trichlorobenzene	13.64	180	215326	20.040	ug/l	98
90) Hexachlorobutadiene	13.78	225	102767	19.959	ug/l	97
91) Naphthalene	13.83	128	673745	19.804	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	220956	20.348	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112719\
Data File : VX013656.D
Acq On : 27 Nov 2019 16:55
Operator : JC/SP
Sample : VX1127WBS02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1127WBS02

Manual Integrations
APPROVED

apatel
12/2/2019 3:17:28 PM

Quant Time: Nov 28 03:04:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 12 01:16:13 2019
Response via : Initial Calibration

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

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

