

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX040519\
 Data File : VX008678.D
 Acq On : 05 Apr 2019 12:35
 Operator : JC/SP
 Sample : VX0405WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0405WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/8/2019 9:49:24 AM

Quant Time: Apr 05 13:55:17 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X032719W.M

Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

QLast Update : Wed Mar 27 12:01:15 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	29972	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	172600	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	153096	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	74808	29.84	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.47%
60) 4-Bromofluorobenzene	11.13	95	78503	29.43	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.10%
63) Toluene-d8	8.71	98	219475	30.20	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.67%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	39527	19.286	ug/l 98
3) Chloromethane	1.32	50	53445	19.904	ug/l 96
4) Vinyl Chloride	1.40	62	50770	18.758	ug/l 98
5) Bromomethane	1.64	94	18266	13.025	ug/l 99
6) Chloroethane	1.72	64	31838	17.972	ug/l 94
7) Trichlorofluoromethane	1.93	101	59957	19.958	ug/l 98
8) Diethyl Ether	2.18	74	28074	19.816	ug/l 78
9) 1,1,2-Trichlorotrifluoroet	2.38	101	38260	20.450	ug/l 93
10) 1,1-Dichloroethene	2.37	96	39054	20.576	ug/l 83
11) Methyl Iodide	2.51	142	14245	7.248	ug/l 95
12) Methyl Acetate	3.19	43	32333	21.018	ug/l 92
13) Acrolein	2.29	56	47089	106.701	ug/l 99
14) Acrylonitrile	3.14	53	154165	108.396	ug/l 99
15) Acetone	2.44	58	44575	101.635	ug/l 90
16) Carbon Disulfide	2.57	76	113461	19.217	ug/l 99
17) Allyl chloride	2.73	41	89943	21.085	ug/l 88
18) Methylene Chloride	2.85	84	47248	20.825	ug/l # 80
19) trans-1,2-Dichloroethene	3.17	96	41788	20.608	ug/l 92
20) Diisopropyl ether	3.85	45	180562	21.748	ug/l # 88
21) 1,1-Dichloroethane	3.70	63	88257	21.178	ug/l 96
22) cis-1,2-Dichloroethene	4.59	96	49157	20.978	ug/l # 81
23) tert-Butyl Alcohol	3.04	59	59610	103.795	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	150077	21.515	ug/l 100
25) Chloroform	5.21	83	78951	20.914	ug/l 98
26) Cyclohexane	5.58	56	83629	20.656	ug/l # 83
29) 1,1-Dichloropropene	5.80	75	61759	21.269	ug/l 93
30) 2-Butanone	4.67	43	228059	106.806	ug/l 93
31) 2,2-Dichloropropane	4.59	77	60828	20.974	ug/l 95
32) 1,1,1-Trichloroethane	5.49	97	63004	20.894	ug/l # 94
33) Carbon Tetrachloride	5.78	117	52029	20.623	ug/l 97
34) Benzene	6.14	78	190138	21.421	ug/l # 97
35) Methacrylonitrile	5.04	41	46109	21.234	ug/l 90
36) 1,2-Dichloroethane	6.19	62	68234	21.562	ug/l 97
37) Trichloroethene	7.21	130	42744	20.940	ug/l 88
38) Methylcyclohexane	7.46	83	74789	20.440	ug/l 88
39) 1,2-Dichloropropane	7.51	63	53116	21.098	ug/l 97
40) Dibromomethane	7.66	93	30547	20.946	ug/l 91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX040519\
 Data File : VX008678.D
 Acq On : 05 Apr 2019 12:35
 Operator : JC/SP
 Sample : VX0405WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0405WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/8/2019 9:49:24 AM

Quant Time: Apr 05 13:55:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X032719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Mar 27 12:01:15 2019
 Response via : Initial Calibration

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

41) Bromodichloromethane	7.90	83	59786	20.849	ug/l	96
42) Vinyl Acetate	3.81	43	794487	109.761	ug/l #	93
43) Ethyl Acetate	4.83	43	86151	22.417	ug/l #	81
44) Isopropyl Acetate	6.45	43	134227	21.600	ug/l	98
45) 1,4-Dioxane	7.74	88	24669	398.771	ug/l #	81
46) Methyl methacrylate	7.77	41	68338	21.652	ug/l	86
47) n-amyl Acetate	10.90	43	121544	21.532	ug/l	94
48) t-1,3-Dichloropropene	9.04	75	64629	19.954	ug/l	95
49) cis-1,3-Dichloropropene	8.43	75	74617	20.596	ug/l	93
50) 1,1,2-Trichloroethane	9.21	97	45848	21.172	ug/l	96
51) Ethyl methacrylate	9.18	69	85236	21.152	ug/l	91
52) 1,3-Dichloropropane	9.37	76	82486	21.411	ug/l	99
53) Dibromochloromethane	9.58	129	42892	20.128	ug/l	100
54) 1,2-Dibromoethane	9.67	107	46805	20.967	ug/l	97
55) 2-Chloroethyl vinyl ether	8.31	63	199296	98.031	ug/l	95
56) Bromoform	10.85	173	30986	19.952	ug/l #	98
58) 4-Methyl-2-Pentanone	8.64	43	443030	109.690	ug/l #	95
59) 2-Hexanone	9.49	43	342067	107.199	ug/l	96
61) Tetrachloroethene	9.34	164	37132	22.174	ug/l	97
62) Toluene	8.78	91	196264	21.174	ug/l	100
64) Chlorobenzene	10.14	112	115150	21.201	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	40618	21.211	ug/l	97
66) Ethyl Benzene	10.25	91	214922	20.889	ug/l	97
67) m/p-Xylenes	10.36	106	156945	41.823	ug/l	90
68) o-Xylene	10.69	106	76280	20.772	ug/l	90
69) Styrene	10.71	104	133267	20.856	ug/l	96
70) Isopropylbenzene	11.02	105	202391	20.894	ug/l	96
71) 1,1,2,2-Tetrachloroethane	11.27	83	77773	21.492	ug/l	97
72) 1,2,3-Trichloropropane	11.29	75	64737m	21.164	ug/l	
73) Bromobenzene	11.26	156	49107	21.308	ug/l	79
74) n-propylbenzene	11.36	91	237060	20.542	ug/l	94
75) 2-Chlorotoluene	11.42	91	143027	20.832	ug/l	90
76) 1,3,5-Trimethylbenzene	11.51	105	172216	20.795	ug/l	95
77) t-1,4-Dichloro-2-butene	11.07	75	22417	19.106	ug/l	95
78) 4-Chlorotoluene	11.51	91	161592	20.450	ug/l	91
79) tert-butylbenzene	12.06	119	174979	20.675	ug/l	96
80) 1,2,4-Trimethylbenzene	11.80	105	171448	20.762	ug/l	95
81) sec-Butylbenzene	11.94	105	193944	20.496	ug/l	96
82) p-Isopropyltoluene	12.06	119	174979	20.675	ug/l	96
83) 1,3-Dichlorobenzene	12.02	146	85619	20.926	ug/l	96
84) 1,4-Dichlorobenzene	12.10	146	84752	20.728	ug/l	97
85) n-Butylbenzene	12.38	91	158241	19.678	ug/l	97
86) Hexachloroethane	12.59	117	27535	19.472	ug/l	99
87) 1,2-Dichlorobenzene	12.39	146	87259	21.166	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	13.00	75	16851	21.009	ug/l #	77
89) 1,2,4-Trichlorobenzene	13.65	180	59433	20.899	ug/l	98
90) Hexachlorobutadiene	13.78	225	29291	21.380	ug/l	98
91) Naphthalene	13.83	128	205661	21.108	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	61439	21.448	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX040519\
Data File : VX008678.D
Acq On : 05 Apr 2019 12:35
Operator : JC/SP
Sample : VX0405WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0405WBS01

Manual Integrations
APPROVED

MMDadoda
4/8/2019 9:49:24 AM

Quant Time: Apr 05 13:55:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X032719W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Mar 27 12:01:15 2019
Response via : Initial Calibration

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

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

