

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072419\
 Data File : VX011059.D
 Acq On : 24 Jul 2019 14:06
 Operator : JC/SP
 Sample : VX0724WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0724WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 3:54:56 PM

Quant Time: Jul 25 03:40:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 19 03:27:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	36493	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	184378	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	171900	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	72444	29.28	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.60%
60) 4-Bromofluorobenzene	11.13	95	83991	29.69	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.97%
63) Toluene-d8	8.71	98	223825	29.62	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.73%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	28181	11.681	ug/l 96
3) Chloromethane	1.33	50	33253	15.674	ug/l 98
4) Vinyl Chloride	1.41	62	31364	14.176	ug/l 100
5) Bromomethane	1.64	94	22145	18.183	ug/l 100
6) Chloroethane	1.72	64	22069	16.860	ug/l 92
7) Trichlorofluoromethane	1.93	101	46991	12.789	ug/l 99
8) Diethyl Ether	2.19	74	21907	18.155	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	23935	11.786	ug/l 98
10) 1,1-Dichloroethene	2.37	96	29765	14.584	ug/l 99
11) Methyl Iodide	2.51	142	43089	15.722	ug/l 96
12) Methyl Acetate	2.77	43	55713	19.436	ug/l 98
13) Acrolein	2.29	56	32727	95.222	ug/l 100
14) Acrylonitrile	3.14	53	110650	98.629	ug/l 100
15) Acetone	2.44	58	33464	107.118	ug/l 99
16) Carbon Disulfide	2.57	76	63407	12.091	ug/l 98
17) Allyl chloride	2.73	41	50461	17.079	ug/l 97
18) Methylene Chloride	2.85	84	40561	17.848	ug/l 93
19) trans-1,2-Dichloroethene	3.17	96	34432	15.970	ug/l 98
20) Diisopropyl ether	3.85	45	112060	17.965	ug/l 97
21) 1,1-Dichloroethane	3.70	63	62284	17.352	ug/l 99
22) cis-1,2-Dichloroethene	4.60	96	43360	17.487	ug/l # 83
23) tert-Butyl Alcohol	3.04	59	54326	92.746	ug/l 100
24) Methyl tert-Butyl Ether	3.20	73	123926	18.915	ug/l 99
25) Chloroform	5.21	83	68715	17.478	ug/l 99
26) Cyclohexane	5.58	56	36873	11.226	ug/l # 97
29) 1,1-Dichloropropene	5.80	75	39628	15.283	ug/l 99
30) 2-Butanone	4.67	43	151582	108.301	ug/l 99
31) 2,2-Dichloropropane	4.59	77	46699	20.633	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	52743	16.868	ug/l 98
33) Carbon Tetrachloride	5.78	117	41964	15.436	ug/l 97
34) Benzene	6.15	78	144931	18.634	ug/l 97
35) Methacrylonitrile	5.04	41	29701	20.384	ug/l 93
36) 1,2-Dichloroethane	6.19	62	56833	20.436	ug/l 98
37) Trichloroethene	7.21	130	40336	17.714	ug/l 98
38) Methylcyclohexane	7.46	83	38390	11.731	ug/l 99
39) 1,2-Dichloropropane	7.51	63	38548	19.828	ug/l 97
40) Dibromomethane	7.66	93	28565	19.977	ug/l 100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072419\
 Data File : VX011059.D
 Acq On : 24 Jul 2019 14:06
 Operator : JC/SP
 Sample : VX0724WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0724WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 3:54:56 PM

Quant Time: Jul 25 03:40:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 19 03:27:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	51484	19.782	ug/l	100
42) Vinyl Acetate	3.81	43	473258	102.630	ug/l	99
43) Ethyl Acetate	4.83	43	56244	20.934	ug/l	99
44) Isopropyl Acetate	6.45	43	89033	20.346	ug/l	99
45) 1,4-Dioxane	7.74	88	24397	428.341	ug/l	99
46) Methyl methacrylate	7.77	41	42988	20.239	ug/l	97
47) n-amyl Acetate	10.90	43	77795	19.822	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	54145	19.740	ug/l	100
49) cis-1,3-Dichloropropene	8.43	75	59617	19.917	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	42869	20.485	ug/l	95
51) Ethyl methacrylate	9.18	69	64488	19.925	ug/l	96
52) 1,3-Dichloropropane	9.37	76	67952	20.207	ug/l	97
53) Dibromochloromethane	9.58	129	42965	19.011	ug/l	96
54) 1,2-Dibromoethane	9.67	107	46111	20.276	ug/l	100
55) 2-Chloroethyl vinyl ether	8.31	63	149851	109.335	ug/l	99
56) Bromoform	10.85	173	31583	18.763	ug/l	98
58) 4-Methyl-2-Pentanone	8.64	43	295690	101.854	ug/l	100
59) 2-Hexanone	9.49	43	229370	103.251	ug/l	100
61) Tetrachloroethene	9.34	164	38442	16.937	ug/l	98
62) Toluene	8.78	91	167125	18.301	ug/l	99
64) Chlorobenzene	10.13	112	112057	19.152	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.22	131	41159	19.356	ug/l	100
66) Ethyl Benzene	10.25	91	181515	17.657	ug/l	99
67) m/p-Xylenes	10.36	106	139363	35.432	ug/l	97
68) o-Xylene	10.69	106	69897	18.137	ug/l	98
69) Styrene	10.71	104	117970	18.211	ug/l	99
70) Isopropylbenzene	11.02	105	174577	17.011	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	67875	20.512	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	56378m	20.411	ug/l	
73) Bromobenzene	11.26	156	52827	19.079	ug/l	99
74) n-propylbenzene	11.36	91	192534	16.669	ug/l	99
75) 2-Chlorotoluene	11.42	91	123896	18.011	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	150491	17.324	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	17818	19.552	ug/l	98
78) 4-Chlorotoluene	11.51	91	142507	18.038	ug/l	100
79) tert-butylbenzene	11.77	119	144019	17.093	ug/l	96
80) 1,2,4-Trimethylbenzene	11.80	105	156081	17.843	ug/l	100
81) sec-Butylbenzene	11.94	105	157911	15.899	ug/l	100
82) p-Isopropyltoluene	12.06	119	149684	16.241	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	89964	18.404	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	90277	18.581	ug/l	99
85) n-Butylbenzene	12.38	91	119962	15.286	ug/l	100
86) Hexachloroethane	12.59	117	23335	16.054	ug/l	100
87) 1,2-Dichlorobenzene	12.39	146	93018	19.436	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	14530	19.945	ug/l	96
89) 1,2,4-Trichlorobenzene	13.65	180	59015	17.878	ug/l	98
90) Hexachlorobutadiene	13.78	225	22922	14.362	ug/l	99
91) Naphthalene	13.83	128	191477	19.010	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	59481	17.978	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072419\
Data File : VX011059.D
Acq On : 24 Jul 2019 14:06
Operator : JC/SP
Sample : VX0724WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0724WBSD01

Manual Integrations
APPROVED

MMDadoda
7/25/2019 3:54:56 PM

Quant Time: Jul 25 03:40:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071919W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 19 03:27:28 2019
Response via : Initial Calibration

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

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

