

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050219\
 Data File : VX009269.D
 Acq On : 02 May 2019 11:51
 Operator : JC/SP
 Sample : VX0502WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBS01

Manual Integrations
 APPROVED

MMDadoda

Quant Time: May 03 07:27:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	5/3/2019 11:19:44 AM
1) Bromochloromethane	5.01	128	31067	30.00	ug/l	0.00	
28) 1,4-Difluorobenzene	6.86	114	178271	30.00	ug/l	0.00	
57) Chlorobenzene-d5	10.11	117	158011	30.00	ug/l	0.00	

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	76226	29.58	ug/l	0.00	
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.60%	
60) 4-Bromofluorobenzene	11.13	95	78830	29.36	ug/l	0.00	
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.87%	
63) Toluene-d8	8.71	98	226002	30.17	ug/l	0.00	
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.57%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	31536	19.103	ug/l 98
3) Chloromethane	1.32	50	43060	19.406	ug/l 99
4) Vinyl Chloride	1.40	62	42080	19.010	ug/l 100
5) Bromomethane	1.64	94	24478	17.445	ug/l 99
6) Chloroethane	1.72	64	27088	18.659	ug/l 96
7) Trichlorofluoromethane	1.93	101	51690	18.910	ug/l 100
8) Diethyl Ether	2.18	74	24386	19.213	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	33030	19.517	ug/l 99
10) 1,1-Dichloroethene	2.37	96	32952	19.392	ug/l 96
11) Methyl Iodide	2.51	142	35199	19.055	ug/l 96
12) Methyl Acetate	2.77	43	61661	19.265	ug/l 97
13) Acrolein	2.29	56	39048	88.951	ug/l 99
14) Acrylonitrile	3.14	53	137713	99.144	ug/l 99
15) Acetone	2.44	58	38331	96.115	ug/l 99
16) Carbon Disulfide	2.57	76	86232	18.756	ug/l 99
17) Allyl chloride	2.73	41	78902	19.341	ug/l 98
18) Methylene Chloride	2.85	84	39808	19.384	ug/l 98
19) trans-1,2-Dichloroethene	3.17	96	34220	18.888	ug/l 96
20) Diisopropyl ether	3.85	45	155663	19.376	ug/l 99
21) 1,1-Dichloroethane	3.70	63	75652	19.458	ug/l 99
22) cis-1,2-Dichloroethene	4.59	96	41694	19.105	ug/l 98
23) tert-Butyl Alcohol	3.04	59	57307	97.571	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	128169	19.273	ug/l 98
25) Chloroform	5.21	83	68695	19.362	ug/l 98
26) Cyclohexane	5.58	56	70055	19.334	ug/l # 99
29) 1,1-Dichloropropene	5.80	75	51302	19.612	ug/l 99
30) 2-Butanone	4.67	43	207569	101.324	ug/l 100
31) 2,2-Dichloropropane	4.59	77	55137	19.120	ug/l 100
32) 1,1,1-Trichloroethane	5.49	97	56086	19.778	ug/l 98
33) Carbon Tetrachloride	5.78	117	46435	19.571	ug/l 96
34) Benzene	6.14	78	160534	19.906	ug/l 98
35) Methacrylonitrile	5.04	41	43383	20.241	ug/l 96
36) 1,2-Dichloroethane	6.19	62	58320	19.930	ug/l 100
37) Trichloroethene	7.21	130	38526	19.845	ug/l 88
38) Methylcyclohexane	7.46	83	62298	19.277	ug/l 99
39) 1,2-Dichloropropane	7.51	63	45774	19.932	ug/l 98
40) Dibromomethane	7.66	93	25927	19.891	ug/l 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050219\
 Data File : VX009269.D
 Acq On : 02 May 2019 11:51
 Operator : JC/SP
 Sample : VX0502WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBS01

Manual Integrations
 APPROVED

MMDadoda

Quant Time: May 03 07:27:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	5/3/2019 11:19:44 AM
41) Bromodichloromethane	7.90	83	51266	19.255	ug/l	98	
42) Vinyl Acetate	3.81	43	676190	100.010	ug/l	100	
43) Ethyl Acetate	4.84	43	76568	20.684	ug/l	99	
44) Isopropyl Acetate	6.45	43	118500	19.761	ug/l	100	
45) 1,4-Dioxane	7.74	88	23873	405.479	ug/l	98	
46) Methyl methacrylate	7.77	41	60177	20.105	ug/l	97	
47) n-amyl Acetate	10.90	43	101686	18.823	ug/l	100	
48) t-1,3-Dichloropropene	9.04	75	58648	18.879	ug/l	94	
49) cis-1,3-Dichloropropene	8.43	75	65796	19.293	ug/l	99	
50) 1,1,2-Trichloroethane	9.21	97	39994	20.027	ug/l	95	
51) Ethyl methacrylate	9.18	69	71541	19.386	ug/l	99	
52) 1,3-Dichloropropane	9.37	76	70562	19.909	ug/l	100	
53) Dibromochloromethane	9.58	129	38651	19.434	ug/l	99	
54) 1,2-Dibromoethane	9.67	107	41409	20.218	ug/l	98	
55) 2-Chloroethyl vinyl ether	8.31	63	192942	98.116	ug/l	100	
56) Bromoform	10.85	173	29116	19.071	ug/l	97	
58) 4-Methyl-2-Pentanone	8.64	43	397255	102.246	ug/l	100	
59) 2-Hexanone	9.49	43	306260	100.498	ug/l	100	
61) Tetrachloroethene	9.34	164	35042	20.117	ug/l	95	
62) Toluene	8.79	91	169323	20.054	ug/l	99	
64) Chlorobenzene	10.14	112	100787	19.834	ug/l	100	
65) 1,1,1,2-Tetrachloroethane	10.22	131	36327	19.524	ug/l	99	
66) Ethyl Benzene	10.25	91	183080	19.464	ug/l	98	
67) m/p-Xylenes	10.36	106	135487	39.452	ug/l	99	
68) o-Xylene	10.69	106	65657	19.443	ug/l	98	
69) Styrene	10.71	104	115402	19.468	ug/l	99	
70) Isopropylbenzene	11.02	105	176786	19.466	ug/l	100	
71) 1,1,2,2-Tetrachloroethane	11.26	83	65417	19.669	ug/l	100	
72) 1,2,3-Trichloropropane	11.29	75	57233m	19.969	ug/l		
73) Bromobenzene	11.26	156	43434	19.357	ug/l	98	
74) n-propylbenzene	11.36	91	203488	19.336	ug/l	99	
75) 2-Chlorotoluene	11.42	91	122979	19.483	ug/l	100	
76) 1,3,5-Trimethylbenzene	11.51	105	149996	19.498	ug/l	99	
77) t-1,4-Dichloro-2-butene	11.07	75	21157	18.300	ug/l	97	
78) 4-Chlorotoluene	11.51	91	139095	19.402	ug/l	100	
79) tert-butylbenzene	11.77	119	143932	19.354	ug/l	99	
80) 1,2,4-Trimethylbenzene	11.80	105	149200	19.351	ug/l	99	
81) sec-Butylbenzene	11.94	105	172039	19.471	ug/l	99	
82) p-Isopropyltoluene	12.06	119	155017	19.287	ug/l	99	
83) 1,3-Dichlorobenzene	12.02	146	74533	18.600	ug/l	99	
84) 1,4-Dichlorobenzene	12.10	146	75525	18.918	ug/l	100	
85) n-Butylbenzene	12.38	91	137887	18.749	ug/l	99	
86) Hexachloroethane	12.60	117	25480	18.631	ug/l	98	
87) 1,2-Dichlorobenzene	12.39	146	78071	19.355	ug/l	99	
88) 1,2-Dibromo-3-Chloropropan	13.00	75	15117	19.559	ug/l	98	
89) 1,2,4-Trichlorobenzene	13.65	180	54237	18.865	ug/l	98	
90) Hexachlorobutadiene	13.78	225	26674	18.574	ug/l	98	
91) Naphthalene	13.83	128	185206	19.675	ug/l	100	
92) 1,2,3-Trichlorobenzene	14.02	180	56554	19.351	ug/l	99	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050219\
Data File : VX009269.D
Acq On : 02 May 2019 11:51
Operator : JC/SP
Sample : VX0502WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBS01

Manual Integrations
APPROVED

MMDadoda

Quant Time: May 03 07:27:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 02 06:46:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	5/3/2019 11:19:44 AM
--------------------	------	------	----------	------	-------	----------	----------------------

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

