

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031320\
 Data File : VX015276.D
 Acq On : 13 Mar 2020 22:52
 Operator : JC/SP
 Sample : VX0313WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0313WBSD02

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 2:07:36 PM

Quant Time: Mar 16 09:45:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 12 14:12:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	53116	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	285950	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	269969	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	105615	29.48	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.27%
60) 4-Bromofluorobenzene	11.13	95	128411	29.88	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.60%
63) Toluene-d8	8.71	98	348032	30.10	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.33%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	43824	16.406	ug/l 99
3) Chloromethane	1.32	50	63235	16.396	ug/l 94
4) Vinyl Chloride	1.40	62	62681	15.971	ug/l 99
5) Bromomethane	1.64	94	41905	16.389	ug/l 98
6) Chloroethane	1.72	64	39763	16.131	ug/l 95
7) Trichlorofluoromethane	1.93	101	78498	15.689	ug/l 99
8) Diethyl Ether	2.18	74	37334	16.835	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	2.38	101	51031	16.631	ug/l 98
10) 1,1-Dichloroethene	2.37	96	51681	16.706	ug/l 96
11) Methyl Iodide	2.50	142	49224	15.470	ug/l 99
12) Methyl Acetate	2.76	43	72428	18.979	ug/l 97
13) Acrolein	2.29	56	42458	70.453	ug/l 98
14) Acrylonitrile	3.13	53	168319	95.051	ug/l 98
15) Acetone	2.44	58	41498	79.867	ug/l 97
16) Carbon Disulfide	2.56	76	150143	17.332	ug/l 99
17) Allyl chloride	2.72	41	101105	17.617	ug/l 96
18) Methylene Chloride	2.85	84	64423	18.427	ug/l 98
19) trans-1,2-Dichloroethene	3.16	96	62529	18.739	ug/l 98
20) Diisopropyl ether	3.85	45	216204	18.964	ug/l 93
21) 1,1-Dichloroethane	3.69	63	114135	18.894	ug/l 99
22) cis-1,2-Dichloroethene	4.59	96	67935	18.011	ug/l 96
23) tert-Butyl Alcohol	3.03	59	63151	91.214	ug/l # 99
24) Methyl tert-Butyl Ether	3.19	73	179585	17.967	ug/l 99
25) Chloroform	5.20	83	109882	19.122	ug/l 97
26) Cyclohexane	5.58	56	100904	17.975	ug/l # 99
29) 1,1-Dichloropropene	5.79	75	82623	18.829	ug/l 97
30) 2-Butanone	4.66	43	221156	94.113	ug/l 99
31) 2,2-Dichloropropane	4.58	77	68569	15.211	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	88525	18.539	ug/l 98
33) Carbon Tetrachloride	5.78	117	74698	18.280	ug/l 100
34) Benzene	6.14	78	261635	19.677	ug/l 98
35) Methacrylonitrile	5.03	41	50830	20.007	ug/l 98
36) 1,2-Dichloroethane	6.18	62	86515	19.506	ug/l 99
37) Trichloroethene	7.21	130	72029	19.587	ug/l 98
38) Methylcyclohexane	7.46	83	99043	18.577	ug/l 100
39) 1,2-Dichloropropane	7.51	63	68521	19.949	ug/l 97
40) Dibromomethane	7.65	93	43211	19.793	ug/l 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031320\
 Data File : VX015276.D
 Acq On : 13 Mar 2020 22:52
 Operator : JC/SP
 Sample : VX0313WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0313WBSD02

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 2:07:36 PM

Quant Time: Mar 16 09:45:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 12 14:12:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	83478	19.333	ug/l	92
42) Vinyl Acetate	3.81	43	890271	96.070	ug/l	100
43) Ethyl Acetate	4.82	43	89827	20.147	ug/l	96
44) Isopropyl Acetate	6.43	43	143447	19.021	ug/l	99
45) 1,4-Dioxane	7.74	88	31207	421.330	ug/l	97
46) Methyl methacrylate	7.76	41	70166	18.869	ug/l	99
47) n-amyl Acetate	10.89	43	119633	17.679	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	87813	18.703	ug/l	95
49) cis-1,3-Dichloropropene	8.43	75	95720	17.952	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	64307	19.921	ug/l	97
51) Ethyl methacrylate	9.17	69	95518	18.963	ug/l	98
52) 1,3-Dichloropropane	9.37	76	111226	20.358	ug/l	100
53) Dibromochloromethane	9.57	129	66200	19.256	ug/l	95
54) 1,2-Dibromoethane	9.67	107	67040	20.132	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	258871	102.616	ug/l	99
56) Bromoform	10.85	173	50294	18.659	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	449292	97.755	ug/l	100
59) 2-Hexanone	9.48	43	333311	95.949	ug/l	100
61) Tetrachloroethene	9.33	164	72032	19.167	ug/l	97
62) Toluene	8.78	91	278030	19.461	ug/l	99
64) Chlorobenzene	10.14	112	174087	19.071	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.21	131	63374	18.849	ug/l	99
66) Ethyl Benzene	10.25	91	299307	18.807	ug/l	99
67) m/p-Xylenes	10.35	106	230918	37.800	ug/l	99
68) o-Xylene	10.70	106	109991	18.779	ug/l	98
69) Styrene	10.71	104	190504	18.689	ug/l	99
70) Isopropylbenzene	11.01	105	292246	18.747	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	97439	19.255	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	81334m	19.636	ug/l	
73) Bromobenzene	11.25	156	79386	18.672	ug/l	99
74) n-propylbenzene	11.35	91	343970	18.677	ug/l	99
75) 2-Chlorotoluene	11.42	91	174245	16.204	ug/l	100
76) 1,3,5-Trimethylbenzene	11.50	105	213471	16.041	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	27566	15.890	ug/l	97
78) 4-Chlorotoluene	11.51	91	201698	16.292	ug/l	99
79) tert-butylbenzene	11.76	119	211119	16.921	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	223886	17.017	ug/l	100
81) sec-Butylbenzene	11.94	105	267635	17.284	ug/l	99
82) p-Isopropyltoluene	12.06	119	248775	17.471	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	132726	17.668	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	136506	18.167	ug/l	100
85) n-Butylbenzene	12.39	91	229193	18.367	ug/l	100
86) Hexachloroethane	12.59	117	46505	18.657	ug/l	89
87) 1,2-Dichlorobenzene	12.39	146	141217	19.280	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.99	75	19397	18.617	ug/l	97
89) 1,2,4-Trichlorobenzene	13.64	180	98239	18.146	ug/l	100
90) Hexachlorobutadiene	13.78	225	48272	17.331	ug/l	99
91) Naphthalene	13.83	128	284272	18.954	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	98922	18.155	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031320\
Data File : VX015276.D
Acq On : 13 Mar 2020 22:52
Operator : JC/SP
Sample : VX0313WBSD02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD02

Manual Integrations
APPROVED

MMDadoda
3/16/2020 2:07:36 PM

Quant Time: Mar 16 09:45:15 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031220W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 12 14:12:53 2020
Response via : Initial Calibration

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

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

