

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092520\
 Data File : VX018609.D
 Acq On : 25 Sep 2020 20:24
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 9/28/2020 12:51:42 PM

Quant Time: Sep 28 03:44:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X090420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 04 12:13:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.99	128	80194	30.00	ug/l	0.01
28) 1,4-Difluorobenzene	6.84	114	391556	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	382871	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.04	65	193028	30.51	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.70%
60) 4-Bromofluorobenzene	11.12	95	191728	28.89	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.30%
63) Toluene-d8	8.70	98	487991	28.92	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	76068	17.926	ug/l 98
3) Chloromethane	1.31	50	80551	17.870	ug/l 93
4) Vinyl Chloride	1.39	62	89694	18.898	ug/l 99
5) Bromomethane	1.64	94	60354	18.690	ug/l 99
6) Chloroethane	1.72	64	57858	20.056	ug/l 97
7) Trichlorofluoromethane	1.92	101	150734	18.740	ug/l 96
8) Diethyl Ether	2.17	74	52740	20.798	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	75795	18.443	ug/l 98
10) 1,1-Dichloroethene	2.36	96	74246	18.405	ug/l 92
11) Methyl Iodide	2.50	142	86409	21.699	ug/l 99
12) Methyl Acetate	2.75	43	116271	21.896	ug/l 97
13) Acrolein	2.28	56	22625	52.793	ug/l 99
14) Acrylonitrile	3.12	53	243288	101.110	ug/l 97
15) Acetone	2.43	58	61221	93.581	ug/l 89
16) Carbon Disulfide	2.56	76	218415	18.594	ug/l 99
17) Allyl chloride	2.71	41	140765	19.522	ug/l 96
18) Methylene Chloride	2.84	84	91740	19.376	ug/l 93
19) trans-1,2-Dichloroethene	3.14	96	86802	19.380	ug/l 97
20) Diisopropyl ether	3.82	45	292263	20.475	ug/l 90
21) 1,1-Dichloroethane	3.67	63	163244	19.924	ug/l 99
22) cis-1,2-Dichloroethene	4.57	96	96891	19.552	ug/l 94
23) tert-Butyl Alcohol	3.04	59	91307	87.568	ug/l # 99
24) Methyl tert-Butyl Ether	3.17	73	293808	20.486	ug/l 100
25) Chloroform	5.18	83	174353	19.939	ug/l 97
26) Cyclohexane	5.56	56	119667	18.095	ug/l # 49
29) 1,1-Dichloropropene	5.78	75	117487	19.657	ug/l 98
30) 2-Butanone	4.64	43	332233	101.518	ug/l 99
31) 2,2-Dichloropropane	4.56	77	136044	18.844	ug/l 100
32) 1,1,1-Trichloroethane	5.47	97	160491	20.514	ug/l 100
33) Carbon Tetrachloride	5.75	117	143596	19.698	ug/l 98
34) Benzene	6.12	78	347817	20.386	ug/l 97
35) Methacrylonitrile	5.01	41	71818	20.823	ug/l 92
36) 1,2-Dichloroethane	6.17	62	153573	21.749	ug/l # 100
37) Trichloroethene	7.19	130	98096	19.883	ug/l 96
38) Methylcyclohexane	7.44	83	119838	18.823	ug/l 98
39) 1,2-Dichloropropane	7.49	63	95217	20.837	ug/l 96
40) Dibromomethane	7.64	93	70481	21.359	ug/l 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092520\
 Data File : VX018609.D
 Acq On : 25 Sep 2020 20:24
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 9/28/2020 12:51:42 PM

Quant Time: Sep 28 03:44:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X090420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 04 12:13:41 2020
 Response via : Initial Calibration

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

41) Bromodichloromethane	7.87	83	143679	21.008	ug/l	93
42) Vinyl Acetate	3.79	43	1305111	106.889	ug/l	100
43) Ethyl Acetate	4.79	43	138404	21.268	ug/l	100
44) Isopropyl Acetate	6.41	43	220312	21.007	ug/l	98
45) 1,4-Dioxane	7.74	88	25258	288.286	ug/l #	90
46) Methyl methacrylate	7.75	41	109154	21.148	ug/l	98
47) n-amyl Acetate	10.88	43	185518	20.131	ug/l	99
48) t-1,3-Dichloropropene	9.02	75	156287	21.273	ug/l	96
49) cis-1,3-Dichloropropene	8.42	75	161182	20.885	ug/l	94
50) 1,1,2-Trichloroethane	9.20	97	98515	21.425	ug/l	96
51) Ethyl methacrylate	9.16	69	139806	20.989	ug/l	98
52) 1,3-Dichloropropane	9.35	76	159434	20.890	ug/l	98
53) Dibromochloromethane	9.57	129	118110	20.658	ug/l	100
54) 1,2-Dibromoethane	9.65	107	107929	21.396	ug/l	95
55) 2-Chloroethyl vinyl ether	8.29	63	379546	109.116	ug/l	99
56) Bromoform	10.84	173	88556	20.386	ug/l	98
58) 4-Methyl-2-Pentanone	8.62	43	683562	103.801	ug/l	99
59) 2-Hexanone	9.48	43	514884	103.225	ug/l	99
61) Tetrachloroethene	9.32	164	87877	18.403	ug/l	95
62) Toluene	8.77	91	383438	19.900	ug/l	98
64) Chlorobenzene	10.12	112	246679	19.922	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.20	131	101184	20.177	ug/l	97
66) Ethyl Benzene	10.24	91	410754	19.292	ug/l	99
67) m/p-Xylenes	10.34	106	320851	39.406	ug/l	99
68) o-Xylene	10.68	106	153309	19.927	ug/l	99
69) Styrene	10.70	104	268791	20.025	ug/l	98
70) Isopropylbenzene	11.00	105	410725	19.197	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.25	83	146524	20.957	ug/l	98
72) 1,2,3-Trichloropropane	11.28	75	134441m	20.014	ug/l	
73) Bromobenzene	11.24	156	109764	18.727	ug/l	96
74) n-propylbenzene	11.34	91	475152	18.861	ug/l	99
75) 2-Chlorotoluene	11.40	91	286623	18.772	ug/l	100
76) 1,3,5-Trimethylbenzene	11.49	105	349752	18.765	ug/l	99
77) t-1,4-Dichloro-2-butene	11.06	75	46951	17.986	ug/l	93
78) 4-Chlorotoluene	11.49	91	345827	18.987	ug/l	99
79) tert-butylbenzene	11.76	119	342854	19.095	ug/l	97
80) 1,2,4-Trimethylbenzene	11.79	105	352648	19.130	ug/l	97
81) sec-Butylbenzene	11.93	105	396481	18.905	ug/l	100
82) p-Isopropyltoluene	12.05	119	371651	19.006	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	200243	19.107	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	198433	18.937	ug/l	96
85) n-Butylbenzene	12.37	91	319089	18.535	ug/l	99
86) Hexachloroethane	12.58	117	67548	17.545	ug/l	98
87) 1,2-Dichlorobenzene	12.38	146	201431	20.526	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	12.98	75	35234	19.699	ug/l	98
89) 1,2,4-Trichlorobenzene	13.63	180	135222	20.367	ug/l	99
90) Hexachlorobutadiene	13.77	225	54507	19.409	ug/l	89
91) Naphthalene	13.82	128	425022	20.512	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	135801	20.676	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092520\
Data File : VX018609.D
Acq On : 25 Sep 2020 20:24
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

MMDadoda
9/28/2020 12:51:42 PM

Quant Time: Sep 28 03:44:22 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X090420W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 04 12:13:41 2020
Response via : Initial Calibration

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

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

