

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX043020\
 Data File : VX015992.D
 Acq On : 30 Apr 2020 13:32
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX043020

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 3:10:17 PM

Quant Time: May 01 08:03:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 30 12:42:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	50730	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	275563	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	253759	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	118330	30.35	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.17%
60) 4-Bromofluorobenzene	11.12	95	124505	29.26	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.53%
63) Toluene-d8	8.70	98	330811	30.39	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	64808	18.547	ug/l 100
3) Chloromethane	1.31	50	61106	17.849	ug/l 99
4) Vinyl Chloride	1.39	62	67693	17.403	ug/l 99
5) Bromomethane	1.63	94	48964	20.537	ug/l 97
6) Chloroethane	1.72	64	44402	17.413	ug/l 99
7) Trichlorofluoromethane	1.92	101	100451	18.030	ug/l 99
8) Diethyl Ether	2.17	74	40089	18.027	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	50686	17.616	ug/l 100
10) 1,1-Dichloroethene	2.36	96	50109	17.262	ug/l 95
11) Methyl Iodide	2.49	142	66210	16.707	ug/l 97
12) Methyl Acetate	2.75	43	94880	18.720	ug/l 99
13) Acrolein	2.27	56	41623	102.443	ug/l 98
14) Acrylonitrile	3.11	53	169056	90.303	ug/l 100
15) Acetone	2.42	58	44119	89.049	ug/l 93
16) Carbon Disulfide	2.55	76	155841	17.647	ug/l 98
17) Allyl chloride	2.71	41	94019	17.459	ug/l 98
18) Methylene Chloride	2.83	84	58216	17.902	ug/l 98
19) trans-1,2-Dichloroethene	3.14	96	56031	17.648	ug/l 94
20) Diisopropyl ether	3.82	45	183983	17.720	ug/l # 84
21) 1,1-Dichloroethane	3.67	63	100593	17.375	ug/l 99
22) cis-1,2-Dichloroethene	4.56	96	62585	17.370	ug/l 100
23) tert-Butyl Alcohol	3.01	59	81758	89.216	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	191756	18.394	ug/l 99
25) Chloroform	5.17	83	103607	17.621	ug/l 99
26) Cyclohexane	5.55	56	91546	17.292	ug/l # 98
29) 1,1-Dichloropropene	5.77	75	77486	17.879	ug/l 99
30) 2-Butanone	4.63	43	241297	93.437	ug/l 99
31) 2,2-Dichloropropane	4.55	77	93018	17.834	ug/l 100
32) 1,1,1-Trichloroethane	5.46	97	93203	17.728	ug/l 98
33) Carbon Tetrachloride	5.75	117	82863	17.702	ug/l 99
34) Benzene	6.11	78	226703	17.909	ug/l 97
35) Methacrylonitrile	5.00	41	50673	18.477	ug/l 97
36) 1,2-Dichloroethane	6.16	62	89200	18.451	ug/l 99
37) Trichloroethene	7.19	130	83322	18.502	ug/l 99
38) Methylcyclohexane	7.44	83	94270	17.799	ug/l 99
39) 1,2-Dichloropropane	7.49	63	59097	18.186	ug/l 94
40) Dibromomethane	7.64	93	41845	18.545	ug/l 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX043020\
 Data File : VX015992.D
 Acq On : 30 Apr 2020 13:32
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 ICVVX043020

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 3:10:17 PM

Quant Time: May 01 08:03:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 30 12:42:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.87	83	81955	17.618	ug/l	96
42) Vinyl Acetate	3.78	43	784881	91.867	ug/l	100
43) Ethyl Acetate	4.79	43	93792	18.412	ug/l	98
44) Isopropyl Acetate	6.41	43	152854	18.491	ug/l	100
45) 1,4-Dioxane	7.71	88	32007	366.552	ug/l	98
46) Methyl methacrylate	7.74	41	71316	18.198	ug/l	96
47) n-amyl Acetate	10.88	43	127074	17.580	ug/l	99
48) t-1,3-Dichloropropene	9.02	75	95915	17.757	ug/l	99
49) cis-1,3-Dichloropropene	8.42	75	100802	18.062	ug/l	97
50) 1,1,2-Trichloroethane	9.20	97	57043	17.940	ug/l	99
51) Ethyl methacrylate	9.16	69	93617	17.830	ug/l	98
52) 1,3-Dichloropropane	9.35	76	101171	18.406	ug/l	100
53) Dibromochloromethane	9.57	129	64133	17.728	ug/l	100
54) 1,2-Dibromoethane	9.65	107	63073	18.049	ug/l	98
55) 2-Chloroethyl vinyl ether	8.29	63	252799	88.499	ug/l	100
56) Bromoform	10.84	173	45901	16.840	ug/l	97
58) 4-Methyl-2-Pentanone	8.62	43	462426	92.408	ug/l	100
59) 2-Hexanone	9.47	43	354219	91.640	ug/l	100
61) Tetrachloroethene	9.32	164	92681	18.464	ug/l	98
62) Toluene	8.76	91	245113	18.080	ug/l	100
64) Chlorobenzene	10.12	112	154053	17.847	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.21	131	58501	17.852	ug/l	99
66) Ethyl Benzene	10.24	91	278417	18.035	ug/l	100
67) m/p-Xylenes	10.34	106	208609	35.473	ug/l	99
68) o-Xylene	10.68	106	101236	17.852	ug/l	98
69) Styrene	10.70	104	167294	17.236	ug/l	99
70) Isopropylbenzene	11.00	105	271307	17.719	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.25	83	46435	16.314	ug/l	97
72) 1,2,3-Trichloropropane	11.28	75	84756m	18.385	ug/l	
73) Bromobenzene	11.24	156	68268	17.694	ug/l	99
74) n-propylbenzene	11.34	91	314333	17.675	ug/l	100
75) 2-Chlorotoluene	11.40	91	184286	17.634	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	224620	17.283	ug/l	100
77) t-1,4-Dichloro-2-butene	11.06	75	34470	17.390	ug/l	97
78) 4-Chlorotoluene	11.49	91	217719	17.600	ug/l	99
79) tert-butylbenzene	11.76	119	194713	17.542	ug/l	99
80) 1,2,4-Trimethylbenzene	11.79	105	228221	17.577	ug/l	100
81) sec-Butylbenzene	11.93	105	262307	17.521	ug/l	99
82) p-Isopropyltoluene	12.05	119	241995	17.443	ug/l	100
83) 1,3-Dichlorobenzene	12.01	146	123304	17.726	ug/l	99
84) 1,4-Dichlorobenzene	12.08	146	123907	17.926	ug/l	99
85) n-Butylbenzene	12.37	91	219318	17.306	ug/l	100
86) Hexachloroethane	12.58	117	41701	17.074	ug/l	95
87) 1,2-Dichlorobenzene	12.38	146	121757	18.098	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.98	75	20617	17.310	ug/l	98
89) 1,2,4-Trichlorobenzene	13.63	180	84981	17.149	ug/l	96
90) Hexachlorobutadiene	13.76	225	38602	18.125	ug/l	98
91) Naphthalene	13.82	128	282261	17.891	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	84355	17.719	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX043020\
Data File : VX015992.D
Acq On : 30 Apr 2020 13:32
Operator : JC/SP
Sample : VSTDICV020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX043020

Manual Integrations
APPROVED

MMDadoda
5/4/2020 3:10:17 PM

Quant Time: May 01 08:03:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 30 12:42:44 2020
Response via : Initial Calibration

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

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

