

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022720\
 Data File : VL034730.D
 Acq On : 28 Feb 2020 5:12
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 2/28/2020 12:34:11 PM

Quant Time: Feb 28 07:36:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 2020
 QLast Update : Fri Feb 28 01:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1114291	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2378533	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2612717m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1991086	9.29	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1807961	10.285	ppbv	96
3) Chlorodifluoromethane	2.96	51	1212355	10.082	ppbv	97
4) Chloromethane	3.11	50	718283	10.670	ppbv	99
5) Vinyl Chloride	3.23	62	667787	10.112	ppbv	97
6) Bromomethane	3.45	94	382146	9.877	ppbv	92
7) Chloroethane	3.53	64	242434	9.889	ppbv	94
8) Dichlorotetrafluoroethane	3.16	85	1439609	9.259	ppbv	97
9) Propene	2.98	41	584877	11.635	ppbv	99
10) Heptane	8.14	43	1463432	11.311	ppbv	98
11) Trichlorofluoromethane	3.93	101	1461567	9.493	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1035554	9.542	ppbv	96
13) Ethanol	3.58	45	123817	7.797	ppbv	99
14) Bromoethene	3.72	108	461898	10.201	ppbv	100
15) Acetone	3.83	43	1249254	9.839	ppbv	100
16) 1,3-Butadiene	3.30	39	637223	10.841	ppbv	96
17) tert-Butyl alcohol	4.28	59	935734	9.617	ppbv	98
18) 1,1-Dichloroethene	4.27	96	479548	9.842	ppbv	93
19) Isopropyl Alcohol	3.95	45	691422	9.142	ppbv	# 99
20) Methylene Chloride	4.33	84	413185	8.750	ppbv	96
21) Allyl Chloride	4.40	41	876594	10.434	ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	487568	10.263	ppbv	96
23) Vinyl Acetate	5.07	43	2086679	12.088	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1333377	9.672	ppbv	100
25) Ethyl Acetate	5.68	43	2404635	10.698	ppbv	99
26) Hexane	5.69	57	1062198	10.253	ppbv	96
27) Carbon Disulfide	4.54	76	1212820	10.313	ppbv	97
28) Methyl tert-Butyl Ether	5.02	73	1691489	11.429	ppbv	100
29) Chloroform	5.75	83	1596952	9.675	ppbv	98
30) Cyclohexane	7.14	84	889147	11.075	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1115831	10.945	ppbv	96
32) 1,1,1-Trichloroethane	6.52	97	1555337	10.091	ppbv	99
34) 2-Butanone	5.24	43	1625791	10.859	ppbv	98
35) Carbon Tetrachloride	7.03	117	1571541	9.866	ppbv	98
36) Benzene	6.90	78	2140634	10.420	ppbv	96
37) 1,2-Dichloroethane	6.32	62	1251720	9.666	ppbv	99
38) Trichloroethene	7.85	130	790038	9.977	ppbv	93
39) 1,2-Dichloropropane	7.63	63	866013	10.596	ppbv	94
40) 1,4-Dioxane	7.85	88	287639	10.349	ppbv	80
41) Tetrahydrofuran	6.05	42	938020	11.870	ppbv	98
42) Bromodichloromethane	7.81	83	1713735	10.108	ppbv	96
43) Methyl Methacrylate	8.03	69	989166	11.448	ppbv	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022720\
 Data File : VL034730.D
 Acq On : 28 Feb 2020 5:12
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 2/28/2020 12:34:11 PM

Quant Time: Feb 28 07:36:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28
 QLast Update : Fri Feb 28 01:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3655688	10.182	ppbv	98
45) t-1,3-Dichloropropene	9.31	75	1147143	12.166	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	1341526	11.863	ppbv	99
47) 1,1,2-Trichloroethane	9.51	97	859145	10.246	ppbv	96
48) Dibromochloromethane	10.34	129	1384553	10.619	ppbv	98
49) Bromoform	13.09	173	1190104	10.528	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2402109	11.328	ppbv	99
51) 2-Hexanone	10.16	43	1990905	11.931	ppbv	98
52) Tetrachloroethene	11.26	164	720246	9.565	ppbv	97
53) Toluene	9.83	91	2439457	11.165	ppbv	100
54) 1,2-Dibromoethane	10.64	107	1292358	10.331	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.16	131	1028417	9.242	ppbv #	62
57) Chlorobenzene	12.19	112	1760118	9.114	ppbv	98
58) Ethyl Benzene	12.75	91	3224375	10.200	ppbv	97
59) m/p-Xylene	13.03	91	5213770m	18.911	ppbv	
60) o-Xylene	13.73	91	2549858	9.320	ppbv	100
61) Styrene	13.57	104	1873616	10.661	ppbv	98
62) Isopropylbenzene	14.71	105	3726430	9.337	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.72	83	1772759	8.314	ppbv	99
64) n-propylbenzene	15.60	120	977581	9.501	ppbv	97
65) tert-Butylbenzene	16.79	119	3201970	9.291	ppbv	99
66) Benzyl Chloride	17.04	91	1456325	11.329	ppbv	100
67) sec-Butylbenzene	17.35	105	4559046	9.194	ppbv	100
69) p-Isopropyltoluene	17.70	119	3821435	9.361	ppbv	99
70) n-Butylbenzene	18.60	91	4106234	9.238	ppbv	99
71) 2-Chlorotoluene	15.50	91	2885162	9.334	ppbv	100
72) 4-Ethyltoluene	15.88	105	3016886	9.907	ppbv	99
73) 1,3,5-Trimethylbenzene	16.04	105	2822107	9.634	ppbv	99
74) 1,2,4-Trimethylbenzene	16.81	105	2913392	9.006	ppbv	92
75) 1,3-Dichlorobenzene	17.05	146	1657963	8.878	ppbv	99
76) 1,4-Dichlorobenzene	17.19	146	1691191	9.052	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	1653878	9.161	ppbv	99
78) Hexachloro-1,3-Butadiene	23.43	225	1519958	9.669	ppbv	99
79) Naphthalene	22.27	128	2989696	10.501	ppbv	96
80) Naphthalene, 2-methyl-	25.02	142	1211146	13.792	ppbv	97
81) 1,2,4-Trichlorobenzene	22.00	180	1724574	10.149	ppbv	100

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

