

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030520\
 Data File : VL034817.D
 Acq On : 6 Mar 2020 7:12
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 3/9/2020 9:20:03 AM

Quant Time: Mar 06 09:22:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 0
 QLast Update : Wed Mar 04 06:36:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	459605	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.19	114	1094520	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.12	117	1218870m	10.00	ppbv	-0.03

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.45	95	858684	8.45	ppbv	-0.03	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	84.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	702381	9.365	ppbv	97
3) Chlorodifluoromethane	2.95	51	475257	9.076	ppbv	95
4) Chloromethane	3.10	50	283624	10.056	ppbv	96
5) Vinyl Chloride	3.22	62	269730	9.053	ppbv	99
6) Bromomethane	3.44	94	152842	9.399	ppbv	98
7) Chloroethane	3.53	64	98403	9.552	ppbv	99
8) Dichlorotetrafluoroethane	3.15	85	582767	8.944	ppbv	89
9) Propene	2.97	41	246437	11.957	ppbv	97
10) Heptane	8.13	43	620804	11.852	ppbv	95
11) Trichlorofluoromethane	3.92	101	604946	9.013	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.47	101	439741	9.496	ppbv	92
13) Ethanol	3.58	45	54293	7.688	ppbv	100
14) Bromoethene	3.71	108	195618	10.295	ppbv	98
15) Acetone	3.82	43	532922	9.683	ppbv	99
16) 1,3-Butadiene	3.29	39	258213	10.369	ppbv	97
17) tert-Butyl alcohol	4.27	59	469778	10.825	ppbv	98
18) 1,1-Dichloroethene	4.27	96	201380	9.860	ppbv	99
19) Isopropyl Alcohol	3.95	45	309780	9.394	ppbv	# 1
20) Methylene Chloride	4.32	84	174481	8.883	ppbv	99
21) Allyl Chloride	4.39	41	375543	10.775	ppbv	98
22) trans-1,2-Dichloroethene	4.87	96	203800	10.222	ppbv	99
23) Vinyl Acetate	5.06	43	892847	12.098	ppbv	99
24) 1,1-Dichloroethane	5.00	63	546904	9.547	ppbv	98
25) Ethyl Acetate	5.67	43	1005686	10.574	ppbv	100
26) Hexane	5.68	57	440033	10.591	ppbv	97
27) Carbon Disulfide	4.53	76	554960	11.433	ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	732655	11.847	ppbv	100
29) Chloroform	5.75	83	622131	8.895	ppbv	98
30) Cyclohexane	7.14	84	370111	11.644	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	446248	10.471	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	625900	9.056	ppbv	97
34) 2-Butanone	5.23	43	681808	9.575	ppbv	97
35) Carbon Tetrachloride	7.02	117	652274	7.898	ppbv	99
36) Benzene	6.90	78	906521	9.693	ppbv	97
37) 1,2-Dichloroethane	6.31	62	478016	7.483	ppbv	# 97
38) Trichloroethene	7.85	130	347006	9.519	ppbv	92
39) 1,2-Dichloropropane	7.63	63	357547	9.473	ppbv	94
40) 1,4-Dioxane	7.84	88	114836	8.796	ppbv	# 98
41) Tetrahydrofuran	6.05	42	401215	11.043	ppbv	93
42) Bromodichloromethane	7.81	83	690992	8.549	ppbv	99
43) Methyl Methacrylate	8.02	69	398988	10.067	ppbv	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030520\
 Data File : VL034817.D
 Acq On : 6 Mar 2020 7:12
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 3/9/2020 9:20:03 AM

Quant Time: Mar 06 09:22:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 0
 QLast Update : Wed Mar 04 06:36:39 2020
 Response via : Initial Calibration

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

44) 2,2,4-Trimethylpentane	7.88	57	1550758	9.488	ppbv	98
45) t-1,3-Dichloropropene	9.30	75	497609	11.960	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	581504	11.446	ppbv	91
47) 1,1,2-Trichloroethane	9.49	97	350777	8.803	ppbv	98
48) Dibromochloromethane	10.33	129	624729	10.026	ppbv	99
49) Bromoform	13.08	173	576169	10.596	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	998122	9.783	ppbv	98
51) 2-Hexanone	10.15	43	829873	10.369	ppbv #	99
52) Tetrachloroethene	11.25	164	343049	9.928	ppbv	99
53) Toluene	9.83	91	1043760	10.544	ppbv	100
54) 1,2-Dibromoethane	10.64	107	541044	9.182	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.16	131	462178	8.558	ppbv #	60
57) Chlorobenzene	12.18	112	767920	8.248	ppbv	98
58) Ethyl Benzene	12.74	91	1391113	9.261	ppbv	95
59) m/p-Xylene	13.03	91	2363594m	18.178	ppbv	
60) o-Xylene	13.73	91	1083289	8.234	ppbv	98
61) Styrene	13.56	104	824625	10.104	ppbv	97
62) Isopropylbenzene	14.71	105	1651484	8.529	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	742884	7.163	ppbv	96
64) n-propylbenzene	15.60	120	430339	8.864	ppbv	93
65) tert-Butylbenzene	16.79	119	1419598m	8.676	ppbv	
66) Benzyl Chloride	17.03	91	772497	14.603	ppbv #	93
67) sec-Butylbenzene	17.33	105	2007782	8.421	ppbv	99
69) p-Isopropyltoluene	17.69	119	1728753	8.959	ppbv	96
70) n-Butylbenzene	18.59	91	1731101	8.205	ppbv	97
71) 2-Chlorotoluene	15.49	91	1214697	8.306	ppbv	95
72) 4-Ethyltoluene	15.88	105	1299079	8.869	ppbv	96
73) 1,3,5-Trimethylbenzene	16.04	105	1219870	8.682	ppbv	96
74) 1,2,4-Trimethylbenzene	16.80	105	1244094	8.145	ppbv	93
75) 1,3-Dichlorobenzene	17.04	146	750800	8.304	ppbv	97
76) 1,4-Dichlorobenzene	17.18	146	760269	8.787	ppbv	97
77) 1,2-Dichlorobenzene	17.86	146	756043	8.741	ppbv	97
78) Hexachloro-1,3-Butadiene	23.42	225	691912	9.585	ppbv	99
79) Naphthalene	22.26	128	1345030	11.718	ppbv	100
80) Naphthalene, 2-methyl-	25.01	142	489381	17.851	ppbv	99
81) 1,2,4-Trichlorobenzene	21.99	180	789436	10.880	ppbv	99

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030520\
Data File : VL034817.D
Acq On : 6 Mar 2020 7:12
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleID :
VSTDCCC010EC

Manual Integrations
APPROVED

MMDadoda
3/9/2020 9:20:03 AM

Quant Time: Mar 06 09:22:14 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar

QLast Update : Wed Mar 04 06:36:39 2020

Response via : Initial Calibration

