

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080520\
 Data File : VL035333.D
 Acq On : 5 Aug 2020 8:40
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 8/6/2020 12:48:49 PM

Quant Time: Aug 05 09:33:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 0
 QLast Update : Tue Aug 04 12:30:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1438333	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.18	114	3615383	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.12	117	3623195m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2954640	9.74	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.01	85	1613507	8.574	ppbv 99
3) Chlorodifluoromethane	2.94	51	1440972	8.717	ppbv 100
4) Chloromethane	3.10	50	824741	8.738	ppbv 99
5) Vinyl Chloride	3.21	62	828437	9.014	ppbv 99
6) Bromomethane	3.43	94	536573	8.876	ppbv 95
7) Chloroethane	3.52	64	315214	8.628	ppbv 99
8) Dichlorotetrafluoroethane	3.14	85	1997435	8.799	ppbv 98
9) Propene	2.96	41	562903	9.424	ppbv 100
10) Heptane	8.13	43	1618250	10.556	ppbv 98
11) Trichlorofluoromethane	3.92	101	2181743	8.876	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1540639	8.992	ppbv 99
13) Ethanol	3.57	45	139433	6.319	ppbv 94
14) Bromoethene	3.70	108	664840	9.423	ppbv 100
15) Acetone	3.82	43	1600547	7.696	ppbv 99
16) 1,3-Butadiene	3.29	39	755706	9.743	ppbv 97
17) tert-Butyl alcohol	4.26	59	1686532	8.903	ppbv 100
18) 1,1-Dichloroethene	4.26	96	704727	9.137	ppbv 92
19) Isopropyl Alcohol	3.93	45	1070175	8.191	ppbv 99
20) Methylene Chloride	4.31	84	636176	6.697	ppbv 97
21) Allyl Chloride	4.38	41	1106048	9.390	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	692415	9.049	ppbv 98
23) Vinyl Acetate	5.06	43	2017003	9.787	ppbv 98
24) 1,1-Dichloroethane	4.99	63	1694615	8.837	ppbv 99
25) Ethyl Acetate	5.66	43	2905668	9.242	ppbv 99
26) Hexane	5.67	57	1300117	9.236	ppbv 98
27) Carbon Disulfide	4.52	76	1829342	9.659	ppbv 99
28) Methyl tert-Butyl Ether	5.01	73	2003632	9.472	ppbv 100
29) Chloroform	5.74	83	2099490	8.818	ppbv 99
30) Cyclohexane	7.13	84	1094333	10.364	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	1264350	9.737	ppbv 97
32) 1,1,1-Trichloroethane	6.51	97	2087505	9.067	ppbv 99
34) 2-Butanone	5.23	43	1780508	9.354	ppbv 100
35) Carbon Tetrachloride	7.02	117	2243840	9.597	ppbv 99
36) Benzene	6.89	78	2551574	9.626	ppbv 100
37) 1,2-Dichloroethane	6.30	62	1614532	8.992	ppbv 100
38) Trichloroethene	7.84	130	1125944	11.560	ppbv 99
39) 1,2-Dichloropropane	7.62	63	978442	9.367	ppbv 100
40) 1,4-Dioxane	7.83	88	424581	9.358	ppbv # 96
41) Tetrahydrofuran	6.04	42	956109	10.183	ppbv 99
42) Bromodichloromethane	7.80	83	2273366	9.280	ppbv 99
43) Methyl Methacrylate	8.02	69	1153980	10.420	ppbv 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080520\
 Data File : VL035333.D
 Acq On : 5 Aug 2020 8:40
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 8/6/2020 12:48:49 PM

Quant Time: Aug 05 09:33:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 0
 QLast Update : Tue Aug 04 12:30:41 2020
 Response via : Initial Calibration

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

44) 2,2,4-Trimethylpentane	7.87	57	4410883	9.714	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1313896	11.115	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	1542001	10.895	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	1136771	9.376	ppbv	98
48) Dibromochloromethane	10.33	129	1997307	10.125	ppbv	99
49) Bromoform	13.07	173	1863037	10.842	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2799429	10.413	ppbv	100
51) 2-Hexanone	10.15	43	2289233	11.006	ppbv #	98
52) Tetrachloroethene	11.25	164	985061	10.549	ppbv	95
53) Toluene	9.83	91	3079613	11.049	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1724682	9.610	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.16	131	1556772	9.155	ppbv	96
57) Chlorobenzene	12.18	112	2485729	8.964	ppbv	99
58) Ethyl Benzene	12.74	91	4168248	10.500	ppbv	96
59) m/p-Xylene	13.03	91	7113281m	19.420	ppbv	
60) o-Xylene	13.72	91	3586666	9.905	ppbv	98
61) Styrene	13.56	104	2560652	11.501	ppbv	99
62) Isopropylbenzene	14.70	105	5327584	9.753	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	2618876	9.220	ppbv	99
64) n-propylbenzene	15.60	120	1452596	10.165	ppbv	94
65) tert-Butylbenzene	16.78	119	4885556	9.988	ppbv	99
66) Benzyl Chloride	17.03	91	2004141	10.597	ppbv	100
67) sec-Butylbenzene	17.33	105	6757952	9.772	ppbv	99
69) p-Isopropyltoluene	17.69	119	5782584	10.107	ppbv	99
70) n-Butylbenzene	18.59	91	5983241	9.720	ppbv	99
71) 2-Chlorotoluene	15.49	91	4132729	10.137	ppbv	99
72) 4-Ethyltoluene	15.88	105	4347768	10.641	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	4093055	10.227	ppbv	98
74) 1,2,4-Trimethylbenzene	16.80	105	4338882	9.455	ppbv	97
75) 1,3-Dichlorobenzene	17.04	146	2601164	9.113	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	2582365	9.557	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	2515860	9.557	ppbv	100
78) Hexachloro-1,3-Butadiene	23.42	225	1963448	9.186	ppbv	98
79) Naphthalene	22.26	128	4103977	11.300	ppbv	98
80) Naphthalene, 2-methyl-	25.01	142	1479573	13.874	ppbv	99
81) 1,2,4-Trichlorobenzene	21.98	180	2304480	10.430	ppbv	100

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

