

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081321\
 Data File : VL037442.D
 Acq On : 13 Aug 2021 10:31
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 8/16/2021 5:03:50 PM

Quant Time: Aug 13 12:21:44 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 13 2021
 QLast Update : Thu Aug 12 15:26:13 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1305931	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3951830	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3719509m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2518222	9.44	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1552582	7.782	ppbv	99
3) Chlorodifluoromethane	2.99	51	2357031	9.191	ppbv	99
4) Chloromethane	3.14	50	873260	9.473	ppbv	100
5) Vinyl Chloride	3.25	62	878229	9.326	ppbv	100
6) Bromomethane	3.47	94	483529	9.180	ppbv	95
7) Chloroethane	3.56	64	321388	9.583	ppbv	91
8) Dichlorotetrafluoroethane	3.19	85	2058325	9.243	ppbv	99
9) Propene	3.01	41	846210	9.826	ppbv	99
10) Heptane	8.12	43	2087366	9.968	ppbv	100
11) Trichlorofluoromethane	3.95	101	1936931	8.972	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1453683	9.612	ppbv	99
13) Ethanol	3.62	45	86430m	9.404	ppbv	
14) Bromoethene	3.74	108	614036	9.128	ppbv	96
15) Acetone	3.84	43	1067156	7.705	ppbv	95
16) 1,3-Butadiene	3.32	39	858027	9.231	ppbv	97
17) tert-Butyl alcohol	4.29	59	1209546	9.150	ppbv	100
18) 1,1-Dichloroethene	4.29	96	649808	9.254	ppbv	89
19) Isopropyl Alcohol	3.96	45	725376	8.999	ppbv	# 1
20) Methylene Chloride	4.34	84	584352	7.979	ppbv	96
21) Allyl Chloride	4.41	41	1045346	9.632	ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	681655	10.349	ppbv	96
23) Vinyl Acetate	5.07	43	1633450	7.686	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1330024	8.058	ppbv	99
25) Ethyl Acetate	5.67	43	3228462	9.781	ppbv	99
26) Hexane	5.68	57	1597709	9.380	ppbv	99
27) Carbon Disulfide	4.55	76	1577409	10.984	ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	1406319	7.715	ppbv	98
29) Chloroform	5.75	83	2258006	9.416	ppbv	98
30) Cyclohexane	7.12	84	1329970	9.481	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1507219	10.237	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	2238689	9.250	ppbv	100
34) 2-Butanone	5.24	43	1402195	8.594	ppbv	97
35) Carbon Tetrachloride	7.01	117	2341871	9.610	ppbv	100
36) Benzene	6.89	78	3267500	9.806	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1643718	9.666	ppbv	99
38) Trichloroethene	7.83	130	1301355	8.848	ppbv	97
39) 1,2-Dichloropropane	7.61	63	1234060	9.722	ppbv	97
40) 1,4-Dioxane	7.82	88	327117m	10.589	ppbv	
41) Tetrahydrofuran	6.05	42	750857	10.021	ppbv	98
42) Bromodichloromethane	7.78	83	2478689	10.409	ppbv	99
43) Methyl Methacrylate	8.01	69	1170040	10.360	ppbv	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081321\
 Data File : VL037442.D
 Acq On : 13 Aug 2021 10:31
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 8/16/2021 5:03:50 PM

Quant Time: Aug 13 12:21:44 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 13 2021
 QLast Update : Thu Aug 12 15:26:13 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5392547	9.679	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1020407	12.159	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1321732	11.281	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	1311474	9.557	ppbv	96
48) Dibromochloromethane	10.30	129	2095563	10.584	ppbv	100
49) Bromoform	13.03	173	1632652	10.883	ppbv	91
50) 4-Methyl-2-Pentanone	8.74	43	2103497	10.248	ppbv	100
51) 2-Hexanone	10.13	43	1014799	10.509	ppbv #	99
52) Tetrachloroethene	11.21	164	1198922	8.541	ppbv	95
53) Toluene	9.80	91	3820039	10.041	ppbv	98
54) 1,2-Dibromoethane	10.60	107	1903127	10.190	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.12	131	1411980	9.536	ppbv	97
57) Chlorobenzene	12.14	112	2683416	8.902	ppbv	96
58) Ethyl Benzene	12.70	91	4848913	9.610	ppbv	98
59) m/p-Xylene	12.99	91	8346135m	18.830	ppbv	
60) o-Xylene	13.68	91	3765509	9.145	ppbv	100
61) Styrene	13.52	104	2127037	10.225	ppbv	100
62) Isopropylbenzene	14.66	105	5244460	8.906	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	2707389	8.719	ppbv	98
64) n-propylbenzene	15.55	120	1428573	9.641	ppbv	95
65) tert-Butylbenzene	16.73	119	4811305	9.060	ppbv	99
66) Benzyl Chloride	16.98	91	299902	12.343	ppbv	99
67) sec-Butylbenzene	17.28	105	6734338	9.320	ppbv	99
69) p-Isopropyltoluene	17.64	119	5653731	9.533	ppbv	100
70) n-Butylbenzene	18.54	91	5533401	10.039	ppbv	99
71) 2-Chlorotoluene	15.44	91	3893968	9.349	ppbv	99
72) 4-Ethyltoluene	15.83	105	4655044	9.740	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	4204158	9.304	ppbv	99
74) 1,2,4-Trimethylbenzene	16.75	105	4391791	9.493	ppbv	96
75) 1,3-Dichlorobenzene	16.98	146	2654526	9.376	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2582409	9.200	ppbv	98
77) 1,2-Dichlorobenzene	17.81	146	2593329	9.520	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1915916	8.683	ppbv	99
79) Naphthalene	22.18	128	3231112	12.851	ppbv	97
80) Naphthalene, 2-methyl-	24.96	142	956522	18.012	ppbv	94
81) 1,2,4-Trichlorobenzene	21.91	180	1947657	11.401	ppbv	99

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

