

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080621\
 Data File : VL037346.D
 Acq On : 6 Aug 2021 15:07
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 8/10/2021 6:09:34 PM

Quant Time: Aug 06 17:46:56 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 06 2021
 QLast Update : Fri Aug 06 16:56:52 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	944903	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3171049	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2787667m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2167593	11.49	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	114.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2289716	10.696	ppbv	100
3) Chlorodifluoromethane	2.98	51	1782313	9.458	ppbv	100
4) Chloromethane	3.14	50	616297	9.569	ppbv	100
5) Vinyl Chloride	3.25	62	696416	8.955	ppbv	100
6) Bromomethane	3.47	94	398074	10.262	ppbv	100
7) Chloroethane	3.55	64	248598	9.540	ppbv	100
8) Dichlorotetrafluoroethane	3.18	85	1759691	9.575	ppbv	100
9) Propene	3.01	41	597210	9.443	ppbv	100
10) Heptane	8.11	43	1477148	10.050	ppbv	99
11) Trichlorofluoromethane	3.94	101	1794857	9.778	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1317246	9.652	ppbv	100
13) Ethanol	3.61	45	84358	7.232	ppbv	100
14) Bromoethene	3.74	108	577953	9.954	ppbv	99
15) Acetone	3.85	43	820497	8.333	ppbv	100
16) 1,3-Butadiene	3.32	39	631096	9.535	ppbv	100
17) tert-Butyl alcohol	4.29	59	1031991	9.846	ppbv	100
18) 1,1-Dichloroethene	4.28	96	597901	10.069	ppbv	100
19) Isopropyl Alcohol	3.97	45	528994	8.876	ppbv	# 100
20) Methylene Chloride	4.34	84	509716	6.181	ppbv	100
21) Allyl Chloride	4.41	41	785451	9.647	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	596554	10.321	ppbv	100
23) Vinyl Acetate	5.07	43	1311214	9.595	ppbv	100
24) 1,1-Dichloroethane	5.01	63	1129566	9.605	ppbv	100
25) Ethyl Acetate	5.67	43	2306426	9.469	ppbv	99
26) Hexane	5.68	57	1156012	8.400	ppbv	100
27) Carbon Disulfide	4.54	76	1328485	11.119	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	1276272	9.311	ppbv	100
29) Chloroform	5.74	83	1809341	9.800	ppbv	100
30) Cyclohexane	7.12	84	1038713	9.678	ppbv	100
31) cis-1,2-Dichloroethene	5.54	61	1114563	10.260	ppbv	100
32) 1,1,1-Trichloroethane	6.50	97	1878794	9.598	ppbv	100
34) 2-Butanone	5.24	43	990681	9.305	ppbv	99
35) Carbon Tetrachloride	7.01	117	2015370	10.156	ppbv	100
36) Benzene	6.88	78	2465342	10.144	ppbv	100
37) 1,2-Dichloroethane	6.30	62	1281109	10.080	ppbv	100
38) Trichloroethene	7.83	130	1059173	8.895	ppbv	100
39) 1,2-Dichloropropane	7.60	63	918496	10.372	ppbv	100
40) 1,4-Dioxane	7.83	88	261478m	11.285	ppbv	
41) Tetrahydrofuran	6.04	42	523810	10.001	ppbv	100
42) Bromodichloromethane	7.78	83	1945354	10.646	ppbv	100
43) Methyl Methacrylate	8.01	69	857156	10.838	ppbv	100

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

44) 2,2,4-Trimethylpentane	7.86	57	3995994	9.833	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	650742	12.689	ppbv	100
46) cis-1,3-Dichloropropene	8.69	75	847929	11.618	ppbv	100
47) 1,1,2-Trichloroethane	9.47	97	1048745	10.252	ppbv	100
48) Dibromochloromethane	10.29	129	1833514	11.606	ppbv	100
49) Bromoform	13.03	173	1512212	13.082	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	1549965	10.615	ppbv	100
51) 2-Hexanone	10.13	43	781277	10.679	ppbv #	99
52) Tetrachloroethene	11.21	164	1056863	9.118	ppbv	100
53) Toluene	9.80	91	2972425	10.492	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1526128	10.799	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.11	131	1274591	11.404	ppbv #	64
57) Chlorobenzene	12.14	112	2286582	11.045	ppbv	100
58) Ethyl Benzene	12.70	91	3959614	11.488	ppbv	100
59) m/p-Xylene	12.98	91	6559483m	23.081	ppbv	
60) o-Xylene	13.68	91	3117253	11.207	ppbv	100
61) Styrene	13.52	104	1763653	12.380	ppbv	100
62) Isopropylbenzene	14.65	105	4470974	10.901	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	2118229	9.509	ppbv	100
64) n-propylbenzene	15.55	120	1201963	11.594	ppbv	100
65) tert-Butylbenzene	16.73	119	4033966	10.719	ppbv	100
66) Benzyl Chloride	16.97	91	152227	10.135	ppbv	100
67) sec-Butylbenzene	17.28	105	5458957	10.970	ppbv	100
69) p-Isopropyltoluene	17.64	119	4762099	11.087	ppbv	100
70) n-Butylbenzene	18.54	91	4409115	11.525	ppbv	100
71) 2-Chlorotoluene	15.44	91	3216147	11.735	ppbv	100
72) 4-Ethyltoluene	15.82	105	3846795	11.722	ppbv	100
73) 1,3,5-Trimethylbenzene	15.98	105	3464572	11.149	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	3615448	11.080	ppbv	100
75) 1,3-Dichlorobenzene	16.99	146	2280635	11.040	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	2258953	11.155	ppbv	100
77) 1,2-Dichlorobenzene	17.80	146	2193155	10.936	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	1600888	10.054	ppbv	100
79) Naphthalene	22.18	128	2903110	12.679	ppbv	100
80) Naphthalene, 2-methyl-	24.96	142	599051	14.521	ppbv	98
81) 1,2,4-Trichlorobenzene	21.91	180	1723896	11.568	ppbv	100

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

