

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052021\
 Data File : VL037042.D
 Acq On : 21 May 2021 2:44
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 5/24/2021 3:27:44 PM

Quant Time: May 21 03:57:04 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1106972	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.14	114	3317279	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.05	117	3174354m	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.37	95	2322082	9.74	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1988264	10.588	ppbv	99
3) Chlorodifluoromethane	2.96	51	2017492	9.948	ppbv	99
4) Chloromethane	3.12	50	679386	9.845	ppbv	99
5) Vinyl Chloride	3.23	62	750676	9.952	ppbv	100
6) Bromomethane	3.45	94	448437	11.282	ppbv	98
7) Chloroethane	3.53	64	270170	11.031	ppbv	97
8) Dichlorotetrafluoroethane	3.16	85	1840764	10.440	ppbv	98
9) Propene	2.99	41	689388	9.493	ppbv	99
10) Heptane	8.09	43	1727106	9.543	ppbv	99
11) Trichlorofluoromethane	3.92	101	1874453	10.784	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1319516	10.657	ppbv	98
13) Ethanol	3.58	45	69315m	7.154	ppbv	
14) Bromoethene	3.71	108	562570	10.316	ppbv	98
15) Acetone	3.83	43	983616	8.675	ppbv	100
16) 1,3-Butadiene	3.30	39	730247	10.366	ppbv	98
17) tert-Butyl alcohol	4.27	59	973087	9.369	ppbv	99
18) 1,1-Dichloroethene	4.26	96	602925	10.531	ppbv	98
19) Isopropyl Alcohol	3.94	45	537531	8.819	ppbv #	35
20) Methylene Chloride	4.31	84	534309	8.791	ppbv	97
21) Allyl Chloride	4.38	41	897038	10.487	ppbv	99
22) trans-1,2-Dichloroethene	4.85	96	600430	10.943	ppbv	98
23) Vinyl Acetate	5.04	43	1890582	10.505	ppbv	99
24) 1,1-Dichloroethane	4.98	63	1325348	10.231	ppbv	100
25) Ethyl Acetate	5.65	43	2623904	9.631	ppbv	100
26) Hexane	5.65	57	1305881	9.382	ppbv	99
27) Carbon Disulfide	4.52	76	1373904	9.794	ppbv	100
28) Methyl tert-Butyl Ether	5.01	73	1614124	9.675	ppbv	99
29) Chloroform	5.72	83	1995801	10.149	ppbv	96
30) Cyclohexane	7.10	84	1128742	9.543	ppbv	99
31) cis-1,2-Dichloroethene	5.52	61	1254883	10.056	ppbv	98
32) 1,1,1-Trichloroethane	6.48	97	2046394	9.691	ppbv	99
34) 2-Butanone	5.21	43	1252931	10.373	ppbv	99
35) Carbon Tetrachloride	6.98	117	2110743	9.576	ppbv	99
36) Benzene	6.86	78	2728280	9.548	ppbv	99
37) 1,2-Dichloroethane	6.27	62	1499709	10.586	ppbv	99
38) Trichloroethene	7.80	130	1120631	9.168	ppbv	97
39) 1,2-Dichloropropane	7.58	63	1037573	9.426	ppbv	97
40) 1,4-Dioxane	7.80	88	241524	9.293	ppbv #	100
41) Tetrahydrofuran	6.01	42	641142	9.320	ppbv	98
42) Bromodichloromethane	7.75	83	2170150	10.126	ppbv	100
43) Methyl Methacrylate	7.98	69	999140	10.145	ppbv	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052021\
 Data File : VL037042.D
 Acq On : 21 May 2021 2:44
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 5/24/2021 3:27:44 PM

Quant Time: May 21 03:57:04 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.83	57	4466685	9.112	ppbv	99
45) t-1,3-Dichloropropene	9.24	75	998428	13.270	ppbv	97
46) cis-1,3-Dichloropropene	8.66	75	1264979	12.500	ppbv	98
47) 1,1,2-Trichloroethane	9.44	97	1138166	9.880	ppbv	97
48) Dibromochloromethane	10.27	129	1935427	10.376	ppbv	100
49) Bromoform	13.00	173	1639016	10.639	ppbv	99
50) 4-Methyl-2-Pentanone	8.71	43	1941105	9.739	ppbv	99
51) 2-Hexanone	10.10	43	1029996	9.775	ppbv	98
52) Tetrachloroethene	11.19	164	1113458	9.800	ppbv	98
53) Toluene	9.77	91	3281630	9.652	ppbv	99
54) 1,2-Dibromoethane	10.57	107	1718224	10.491	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.09	131	1323904	9.912	ppbv	95
57) Chlorobenzene	12.11	112	2436944	9.901	ppbv	99
58) Ethyl Benzene	12.67	91	4339836	9.687	ppbv	99
59) m/p-Xylene	12.96	91	7276308m	19.648	ppbv	
60) o-Xylene	13.65	91	3428970	9.708	ppbv	99
61) Styrene	13.49	104	2062200	10.364	ppbv	99
62) Isopropylbenzene	14.63	105	4834862	9.525	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.64	83	2341887	8.878	ppbv	100
64) n-propylbenzene	15.52	120	1311089	10.011	ppbv	99
65) tert-Butylbenzene	16.71	119	4358126	9.515	ppbv	100
66) Benzyl Chloride	16.95	91	237135	9.331	ppbv	97
67) sec-Butylbenzene	17.26	105	5936713	9.501	ppbv	100
69) p-Isopropyltoluene	17.61	119	5139751	9.567	ppbv	99
70) n-Butylbenzene	18.51	91	4933178	9.666	ppbv	99
71) 2-Chlorotoluene	15.41	91	3595512	9.807	ppbv	100
72) 4-Ethyltoluene	15.80	105	4252956	10.145	ppbv	99
73) 1,3,5-Trimethylbenzene	15.96	105	3839336	9.753	ppbv	99
74) 1,2,4-Trimethylbenzene	16.73	105	3976357	9.769	ppbv	95
75) 1,3-Dichlorobenzene	16.95	146	2473257	9.951	ppbv	100
76) 1,4-Dichlorobenzene	17.10	146	2479928	9.868	ppbv	97
77) 1,2-Dichlorobenzene	17.77	146	2397396	9.626	ppbv	100
78) Hexachloro-1,3-Butadiene	23.34	225	1682229	8.400	ppbv	100
79) Naphthalene	22.15	128	3484946	10.912	ppbv	99
80) Naphthalene, 2-methyl-	24.94	142	922335	13.281	ppbv	99
81) 1,2,4-Trichlorobenzene	21.88	180	1980566	10.173	ppbv	99

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

