

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090821\
 Data File : VL037592.D
 Acq On : 9 Sep 2021 4:37
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 9/10/2021 10:53:43 AM

Quant Time: Sep 09 09:16:56 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081621AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021

QLast Update : Tue Aug 17 02:13:47 2021

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.681	49	1631884	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	7.192	114	4839831	10.000	ppbv	0.04
55) Chlorobenzene-d5	12.102	117	4424347m	10.000	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.426 95 3172665 10.094 ppbv 0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.054	85	2084730	7.962	ppbv	97
3) Chlorodifluoromethane	2.996	51	2747010	8.791	ppbv	98
4) Chloromethane	3.147	50	939247	8.411	ppbv	98
5) Vinyl Chloride	3.266	62	970704	8.485	ppbv	98
6) Bromomethane	3.485	94	423058	6.751	ppbv	98
7) Chloroethane	3.568	64	325457	8.335	ppbv	98
8) Dichlorotetrafluoroethane	3.198	85	2154773	7.972	ppbv	98
9) Propene	3.018	41	937170	8.382	ppbv	97
10) Heptane	8.137	43	2437431	9.471	ppbv	97
11) Trichlorofluoromethane	3.960	101	1928837	7.848	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.494	101	1450983	8.045	ppbv	99
13) Ethanol	3.623	45	101472m	9.327	ppbv	
14) Bromoethene	3.751	108	643358	7.857	ppbv	96
15) Acetone	3.861	43	1178970	7.099	ppbv	99
16) 1,3-Butadiene	3.337	39	998940	9.377	ppbv	92
17) tert-Butyl alcohol	4.295	59	1246421	8.216	ppbv	97
18) 1,1-Dichloroethene	4.298	96	669400	8.171	ppbv	99
19) Isopropyl Alcohol	3.977	45	745536	7.836	ppbv #	98
20) Methylene Chloride	4.353	84	578709	6.960	ppbv	97
21) Allyl Chloride	4.423	41	990636	7.344	ppbv	92
22) trans-1,2-Dichloroethene	4.899	96	632143	7.734	ppbv	98
23) Vinyl Acetate	5.086	43	1817015m	7.423	ppbv	
24) 1,1-Dichloroethane	5.022	63	1355533	7.635	ppbv	100
25) Ethyl Acetate	5.690	43	3568300	8.463	ppbv	99
26) Hexane	5.700	57	1776623	8.619	ppbv	95
27) Carbon Disulfide	4.562	76	1525804	8.306	ppbv	97
28) Methyl tert-Butyl Ether	5.047	73	1374076	6.940	ppbv	100
29) Chloroform	5.764	83	2405103	8.233	ppbv	100
30) Cyclohexane	7.144	84	1498188	8.723	ppbv	98
31) cis-1,2-Dichloroethene	5.562	61	1567009	8.399	ppbv	99
32) 1,1,1-Trichloroethane	6.526	97	2296754	8.002	ppbv	99
34) 2-Butanone	5.259	43	1531552	7.749	ppbv	93
35) Carbon Tetrachloride	7.034	117	2306409	8.064	ppbv	99
36) Benzene	6.906	78	3668639	9.017	ppbv	98
37) 1,2-Dichloroethane	6.321	62	1722915	8.549	ppbv	99
38) Trichloroethene	7.851	130	1432661	8.582	ppbv	95
39) 1,2-Dichloropropane	7.629	63	1413262	9.040	ppbv	98
40) 1,4-Dioxane	7.851	88	250143m	6.531	ppbv	
41) Tetrahydrofuran	6.066	42	840046	8.823	ppbv	97
42) Bromodichloromethane	7.809	83	2562122	8.694	ppbv	97
43) Methyl Methacrylate	8.031	69	1395835	9.843	ppbv	100
44) 2,2,4-Trimethylpentane	7.883	57	6109513	8.922	ppbv	99
45) t-1,3-Dichloropropene	9.295	75	860512	8.061	ppbv	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090821\
 Data File : VL037592.D
 Acq On : 9 Sep 2021 4:37
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 9/10/2021 10:53:43 AM

Quant Time: Sep 09 09:16:56 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.719	75	1290983	8.669	ppbv	99
47) 1,1,2-Trichloroethane	9.491	97	1472336	8.716	ppbv	99
48) Dibromochloromethane	10.324	129	2265663	9.320	ppbv	99
49) Bromoform	13.053	173	1880766	9.815	ppbv	100
50) 4-Methyl-2-Pentanone	8.758	43	2482338	9.628	ppbv	99
51) 2-Hexanone	10.153	43	1281739	10.808	ppbv	99
52) Tetrachloroethene	11.243	164	1377750	8.264	ppbv	97
53) Toluene	9.822	91	4278200	9.209	ppbv	100
54) 1,2-Dibromoethane	10.626	107	2054895	8.714	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.140	131	1617543	8.774	ppbv #	55
57) Chlorobenzene	12.163	112	3103831	8.454	ppbv	99
58) Ethyl Benzene	12.725	91	5437475	8.856	ppbv	98
59) m/p-Xylene	13.012	91	9007299m	16.922	ppbv	
60) o-Xylene	13.706	91	4328779	8.713	ppbv	99
61) Styrene	13.545	104	2320749	8.993	ppbv	99
62) Isopropylbenzene	14.680	105	6218188	8.869	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.690	83	3074083	8.326	ppbv	99
64) n-propylbenzene	15.581	120	1591863	8.921	ppbv	95
65) tert-Butylbenzene	16.761	119	5387047	8.436	ppbv	98
66) Benzyl Chloride	17.002	91	137719	4.768	ppbv	97
67) sec-Butylbenzene	17.307	105	7485065	8.389	ppbv	100
69) p-Isopropyltoluene	17.664	119	6312938	8.683	ppbv	99
70) n-Butylbenzene	18.564	91	6190224	8.909	ppbv	99
71) 2-Chlorotoluene	15.468	91	4334275	8.430	ppbv	98
72) 4-Ethyltoluene	15.854	105	5148532	8.713	ppbv	99
73) 1,3,5-Trimethylbenzene	16.008	105	4616360	8.393	ppbv	99
74) 1,2,4-Trimethylbenzene	16.777	105	4779156	8.176	ppbv	94
75) 1,3-Dichlorobenzene	17.008	146	3075033	8.740	ppbv	98
76) 1,4-Dichlorobenzene	17.150	146	3013108	8.501	ppbv	99
77) 1,2-Dichlorobenzene	17.831	146	3040400	8.776	ppbv	98
78) Hexachloro-1,3-Butadiene	23.384	225	2494686	8.661	ppbv	98
79) Naphthalene	22.207	128	4282303	10.948	ppbv	98
80) Naphthalene,2-methyl-	24.979	142	1372287	12.593	ppbv	93
81) 1,2,4-Trichlorobenzene	21.940	180	2561314	10.435	ppbv	98

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

