

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100121\
 Data File : VL037756.D
 Acq On : 2 Oct 2021 00:24
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 10/4/2021 5:50:21 PM

Quant Time: Oct 02 19:36:50 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 1
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1451614	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4284443	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3673776m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2716553	10.23	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1846047m	7.028	ppbv	
3) Chlorodifluoromethane	2.98	51	2542571	9.286	ppbv	98
4) Chloromethane	3.13	50	953012	9.421	ppbv	98
5) Vinyl Chloride	3.25	62	973763	10.248	ppbv	100
6) Bromomethane	3.47	94	489673	8.867	ppbv	98
7) Chloroethane	3.55	64	336491	9.476	ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	2146079	9.471	ppbv	100
9) Propene	3.00	41	956496	9.903	ppbv	97
10) Heptane	8.10	43	2330327	10.340	ppbv	100
11) Trichlorofluoromethane	3.94	101	1957669	9.283	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1475955	9.482	ppbv	99
13) Ethanol	3.60	45	98557m	10.432	ppbv	
14) Bromoethene	3.73	108	671574	9.478	ppbv	99
15) Acetone	3.84	43	1149033	7.619	ppbv	96
16) 1,3-Butadiene	3.32	39	932191	9.891	ppbv	100
17) tert-Butyl alcohol	4.28	59	1296031	10.134	ppbv	99
18) 1,1-Dichloroethene	4.28	96	670057	9.240	ppbv	99
19) Isopropyl Alcohol	3.96	45	776049	9.457	ppbv	98
20) Methylene Chloride	4.33	84	593322	8.240	ppbv	98
21) Allyl Chloride	4.40	41	1103665	9.795	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	683459	9.368	ppbv	97
23) Vinyl Acetate	5.06	43	1801461	8.632	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1396177	9.338	ppbv	98
25) Ethyl Acetate	5.66	43	3618179	9.905	ppbv	99
26) Hexane	5.67	57	1756174	10.121	ppbv	99
27) Carbon Disulfide	4.54	76	1666751	10.500	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1455384	9.523	ppbv	99
29) Chloroform	5.74	83	2376987	9.381	ppbv	99
30) Cyclohexane	7.11	84	1465301	9.874	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1605036	10.189	ppbv	96
32) 1,1,1-Trichloroethane	6.49	97	2293296	9.722	ppbv	99
34) 2-Butanone	5.23	43	1627625	9.348	ppbv	99
35) Carbon Tetrachloride	7.00	117	2350420	9.698	ppbv	98
36) Benzene	6.88	78	3536223	9.898	ppbv	98
37) 1,2-Dichloroethane	6.29	62	1676778	9.543	ppbv	100
38) Trichloroethene	7.82	130	1378375	9.236	ppbv	95
39) 1,2-Dichloropropane	7.60	63	1355882	9.909	ppbv	97
40) 1,4-Dioxane	7.82	88	339914m	10.212	ppbv	
41) Tetrahydrofuran	6.03	42	861667	10.527	ppbv	100
42) Bromodichloromethane	7.78	83	2518802	10.002	ppbv	99
43) Methyl Methacrylate	8.00	69	1288235	10.839	ppbv	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100121\
 Data File : VL037756.D
 Acq On : 2 Oct 2021 00:24
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 10/4/2021 5:50:21 PM

Quant Time: Oct 02 19:36:50 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 1
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5874040	9.780	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	962210	10.307	ppbv	95
46) cis-1,3-Dichloropropene	8.69	75	1302375	10.327	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1411131	9.322	ppbv	96
48) Dibromochloromethane	10.28	129	2195222	10.395	ppbv	97
49) Bromoform	13.02	173	1787630	10.577	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2333383	10.559	ppbv	99
51) 2-Hexanone	10.12	43	1109162	11.376	ppbv #	99
52) Tetrachloroethene	11.20	164	1285800	9.375	ppbv	98
53) Toluene	9.79	91	4063834	10.233	ppbv	99
54) 1,2-Dibromoethane	10.59	107	1983790	9.571	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	1510235	9.911	ppbv #	53
57) Chlorobenzene	12.13	112	2910104	9.528	ppbv	99
58) Ethyl Benzene	12.69	91	5127233	10.514	ppbv	99
59) m/p-Xylene	12.98	91	8513899m	20.034	ppbv	
60) o-Xylene	13.67	91	3954771	9.777	ppbv	97
61) Styrene	13.51	104	2218653	11.123	ppbv	98
62) Isopropylbenzene	14.64	105	5517102	9.763	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.66	83	2911028	9.196	ppbv	100
64) n-propylbenzene	15.54	120	1482810	10.169	ppbv	86
65) tert-Butylbenzene	16.73	119	4928476	9.673	ppbv	99
66) Benzyl Chloride	16.97	91	271026	9.734	ppbv	97
67) sec-Butylbenzene	17.27	105	6838012	9.892	ppbv	99
69) p-Isopropyltoluene	17.63	119	5713988	10.118	ppbv	100
70) n-Butylbenzene	18.53	91	5584881	10.452	ppbv	99
71) 2-Chlorotoluene	15.43	91	4095722	10.114	ppbv	99
72) 4-Ethyltoluene	15.82	105	4706717	10.137	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4460334	10.306	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	4417976	9.691	ppbv	95
75) 1,3-Dichlorobenzene	16.98	146	2704980	9.550	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	2698054	9.658	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	2632238	9.799	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	1917099	8.479	ppbv	100
79) Naphthalene	22.17	128	3307481	11.816	ppbv	99
80) Naphthalene, 2-methyl-	24.95	142	855628	13.374	ppbv	99
81) 1,2,4-Trichlorobenzene	21.90	180	1949552	10.848	ppbv	98

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

