

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100121\
 Data File : VL037738.D
 Acq On : 1 Oct 2021 10:46
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010

Manual Integrations
 APPROVED

apatel
 10/14/2021 6:07:24 AM

Quant Time: Oct 02 19:37:41 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	1444853	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4313101	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3855842m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2620832	9.41	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	1856066m	7.099	ppbv
3) Chlorodifluoromethane	2.98	51	2574596	9.447	ppbv 99
4) Chloromethane	3.13	50	954825	9.483	ppbv 100
5) Vinyl Chloride	3.25	62	961191	10.163	ppbv 95
6) Bromomethane	3.46	94	469304	8.537	ppbv 96
7) Chloroethane	3.55	64	337862	9.559	ppbv 98
8) Dichlorotetrafluoroethane	3.18	85	2158788	9.571	ppbv 99
9) Propene	3.00	41	965229	10.040	ppbv 98
10) Heptane	8.10	43	2340153	10.432	ppbv 99
11) Trichlorofluoromethane	3.94	101	1979113	9.429	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1498015	9.668	ppbv 99
13) Ethanol	3.60	45	86846	9.236	ppbv 92
14) Bromoethene	3.73	108	678721	9.624	ppbv 98
15) Acetone	3.84	43	1123014	7.481	ppbv 96
16) 1,3-Butadiene	3.32	39	946525	10.090	ppbv 97
17) tert-Butyl alcohol	4.27	59	1300626	10.217	ppbv 98
18) 1,1-Dichloroethene	4.28	96	680153	9.423	ppbv 95
19) Isopropyl Alcohol	3.95	45	833900	10.209	ppbv # 96
20) Methylene Chloride	4.33	84	605933	8.455	ppbv 96
21) Allyl Chloride	4.40	41	1129487	10.071	ppbv 99
22) trans-1,2-Dichloroethene	4.87	96	724968	9.983	ppbv 98
23) Vinyl Acetate	5.05	43	1819346	8.758	ppbv # 98
24) 1,1-Dichloroethane	5.00	63	1408095	9.462	ppbv 99
25) Ethyl Acetate	5.66	43	3700571	10.178	ppbv 99
26) Hexane	5.67	57	1760574	10.194	ppbv 100
27) Carbon Disulfide	4.53	76	1733586	10.972	ppbv 98
28) Methyl tert-Butyl Ether	5.02	73	1442802	9.484	ppbv 99
29) Chloroform	5.73	83	2427383	9.625	ppbv 98
30) Cyclohexane	7.11	84	1457353	9.866	ppbv 99
31) cis-1,2-Dichloroethene	5.53	61	1602532	10.221	ppbv 96
32) 1,1,1-Trichloroethane	6.49	97	2328056	9.915	ppbv 99
34) 2-Butanone	5.22	43	1572482	8.972	ppbv 100
35) Carbon Tetrachloride	7.00	117	2421494	9.925	ppbv 98
36) Benzene	6.87	78	3593998	9.993	ppbv 100
37) 1,2-Dichloroethane	6.29	62	1721405	9.732	ppbv 99
38) Trichloroethene	7.81	130	1381922	9.198	ppbv 98
39) 1,2-Dichloropropane	7.59	63	1376201	9.990	ppbv 97
40) 1,4-Dioxane	7.81	88	326723	9.750	ppbv # 1
41) Tetrahydrofuran	6.03	42	887171	10.767	ppbv 99
42) Bromodichloromethane	7.77	83	2561058	10.102	ppbv 98
43) Methyl Methacrylate	7.99	69	1293932	10.814	ppbv 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5950319	9.841	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	1021758	10.872	ppbv	94
46) cis-1,3-Dichloropropene	8.68	75	1342875	10.578	ppbv	99
47) 1,1,2-Trichloroethane	9.45	97	1422329	9.334	ppbv	97
48) Dibromochloromethane	10.28	129	2244198	10.557	ppbv	97
49) Bromoform	13.01	173	1806680	10.619	ppbv	96
50) 4-Methyl-2-Pentanone	8.72	43	2367114	10.640	ppbv	99
51) 2-Hexanone	10.11	43	1124887	11.460	ppbv #	96
52) Tetrachloroethene	11.20	164	1310351	9.490	ppbv	99
53) Toluene	9.78	91	4120758	10.308	ppbv	100
54) 1,2-Dibromoethane	10.59	107	2006722	9.618	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.10	131	1525739	9.540	ppbv #	52
57) Chlorobenzene	12.12	112	2975350	9.282	ppbv	100
58) Ethyl Benzene	12.69	91	5150586	10.063	ppbv	100
59) m/p-Xylene	12.97	91	8552608m	19.174	ppbv	
60) o-Xylene	13.67	91	3968427	9.348	ppbv	97
61) Styrene	13.50	104	2257677	10.785	ppbv	98
62) Isopropylbenzene	14.64	105	5565451	9.384	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.65	83	2892776	8.706	ppbv	100
64) n-propylbenzene	15.54	120	1488833	9.728	ppbv	85
65) tert-Butylbenzene	16.72	119	4963501	9.282	ppbv	99
66) Benzyl Chloride	16.96	91	286357	9.799	ppbv	100
67) sec-Butylbenzene	17.27	105	6896227	9.506	ppbv	99
69) p-Isopropyltoluene	17.63	119	5791778	9.772	ppbv	100
70) n-Butylbenzene	18.52	91	5635835	10.050	ppbv	99
71) 2-Chlorotoluene	15.43	91	4070802	9.578	ppbv	98
72) 4-Ethyltoluene	15.82	105	4720248	9.686	ppbv	98
73) 1,3,5-Trimethylbenzene	15.97	105	4293658	9.452	ppbv	98
74) 1,2,4-Trimethylbenzene	16.74	105	4496110	9.397	ppbv	98
75) 1,3-Dichlorobenzene	16.97	146	2724192	9.164	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	2630579	8.972	ppbv	98
77) 1,2-Dichlorobenzene	17.79	146	2665537	9.454	ppbv	98
78) Hexachloro-1,3-Butadiene	23.35	225	1978879	8.339	ppbv	100
79) Naphthalene	22.16	128	3376244	11.492	ppbv	99
80) Naphthalene, 2-methyl-	24.95	142	942458	14.035	ppbv	98
81) 1,2,4-Trichlorobenzene	21.89	180	2001703	10.612	ppbv	99

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

