

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100421\
 Data File : VL037758.D
 Acq On : 4 Oct 2021 11:14
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Quant Time: Oct 04 14:49:01 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL100421A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Reviewed By :Mahesh Dadoda 10/05/2021
 Supervised By :Semsettin Yesilyurt 10/05/2021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1519017	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4431463	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3886940m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2896944	10.31	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	1847412m	6.721	ppbv
3) Chlorodifluoromethane	2.99	51	2647019	9.239	ppbv 99
4) Chloromethane	3.14	50	982014	9.277	ppbv 94
5) Vinyl Chloride	3.26	62	1001209	10.069	ppbv 100
6) Bromomethane	3.47	94	488906	8.460	ppbv 94
7) Chloroethane	3.56	64	349144	9.396	ppbv 95
8) Dichlorotetrafluoroethane	3.19	85	2157620	9.099	ppbv 100
9) Propene	3.01	41	994105m	9.836	ppbv
10) Heptane	8.12	43	2393180	10.148	ppbv 100
11) Trichlorofluoromethane	3.95	101	2027709	9.188	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1491163	9.154	ppbv 99
13) Ethanol	3.61	45	71165	7.199	ppbv 88
14) Bromoethene	3.74	108	660503	8.908	ppbv 96
15) Acetone	3.85	43	1141002	7.230	ppbv 96
16) 1,3-Butadiene	3.33	39	966163	9.797	ppbv 99
17) tert-Butyl alcohol	4.29	59	1451540	10.846	ppbv 99
18) 1,1-Dichloroethene	4.29	96	715888m	9.434	ppbv
19) Isopropyl Alcohol	3.96	45	862629	10.045	ppbv # 93
20) Methylene Chloride	4.35	84	587002	7.791	ppbv 98
21) Allyl Chloride	4.41	41	1148915	9.744	ppbv 96
22) trans-1,2-Dichloroethene	4.89	96	730591	9.569	ppbv 99
23) Vinyl Acetate	5.07	43	1900347	8.701	ppbv # 99
24) 1,1-Dichloroethane	5.01	63	1399276	8.944	ppbv 99
25) Ethyl Acetate	5.68	43	3705167	9.693	ppbv 100
26) Hexane	5.69	57	1770550	9.751	ppbv 99
27) Carbon Disulfide	4.55	76	1734830	10.444	ppbv 99
28) Methyl tert-Butyl Ether	5.03	73	1456525	9.107	ppbv 99
29) Chloroform	5.75	83	2458548	9.273	ppbv 99
30) Cyclohexane	7.13	84	1483866	9.555	ppbv 99
31) cis-1,2-Dichloroethene	5.55	61	1637157	9.932	ppbv 96
32) 1,1,1-Trichloroethane	6.51	97	2398637	9.717	ppbv 99
34) 2-Butanone	5.25	43	1674306	9.297	ppbv 99
35) Carbon Tetrachloride	7.02	117	2462933	9.825	ppbv 99
36) Benzene	6.89	78	3691624	9.990	ppbv 100
37) 1,2-Dichloroethane	6.31	62	1754200	9.652	ppbv 100
38) Trichloroethene	7.83	130	1416418	9.176	ppbv 96
39) 1,2-Dichloropropane	7.61	63	1411159	9.970	ppbv 98
40) 1,4-Dioxane	7.83	88	319177	9.271	ppbv # 1
41) Tetrahydrofuran	6.05	42	886955	10.477	ppbv 99
42) Bromodichloromethane	7.79	83	2625265	10.079	ppbv 99
43) Methyl Methacrylate	8.01	69	1313337	10.683	ppbv 98

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44) 2,2,4-Trimethylpentane	7.87	57	6084151	9.794	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	965539	9.999	ppbv	97
46) cis-1,3-Dichloropropene	8.71	75	1331783	10.210	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1494246	9.544	ppbv	97
48) Dibromochloromethane	10.30	129	2331117	10.673	ppbv	99
49) Bromoform	13.04	173	1913717	10.947	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2414485	10.563	ppbv	100
51) 2-Hexanone	10.14	43	1159919	11.502	ppbv #	100
52) Tetrachloroethene	11.22	164	1325090	9.341	ppbv	97
53) Toluene	9.81	91	4223184	10.282	ppbv	99
54) 1,2-Dibromoethane	10.61	107	2068872	9.651	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.13	131	1581121	9.807	ppbv	96
57) Chlorobenzene	12.15	112	3067889	9.494	ppbv	100
58) Ethyl Benzene	12.71	91	5360065	10.388	ppbv	100
59) m/p-Xylene	13.00	91	8943521m	19.890	ppbv	
60) o-Xylene	13.69	91	4165599	9.734	ppbv	98
61) Styrene	13.53	104	2358307	11.175	ppbv	98
62) Isopropylbenzene	14.67	105	5874158	9.825	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	3006166	8.975	ppbv	100
64) n-propylbenzene	15.56	120	1518768	9.844	ppbv	85
65) tert-Butylbenzene	16.74	119	5056527	9.380	ppbv	99
66) Benzyl Chloride	16.99	91	284503m	9.658	ppbv	
67) sec-Butylbenzene	17.29	105	7059282	9.653	ppbv	99
69) p-Isopropyltoluene	17.65	119	5806329	9.718	ppbv	100
70) n-Butylbenzene	18.55	91	5634210	9.966	ppbv	99
71) 2-Chlorotoluene	15.45	91	4239399	9.895	ppbv	98
72) 4-Ethyltoluene	15.84	105	5032012	10.243	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4454351	9.727	ppbv	97
74) 1,2,4-Trimethylbenzene	16.76	105	4604363	9.546	ppbv	99
75) 1,3-Dichlorobenzene	16.99	146	2779042	9.274	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2725090	9.220	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2670853	9.397	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1910868	7.988	ppbv	99
79) Naphthalene	22.19	128	3157273	10.661	ppbv	98
80) Naphthalene,2-methyl-	24.97	142	824420	12.179	ppbv	97
81) 1,2,4-Trichlorobenzene	21.92	180	1877711	9.875	ppbv	99

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

