

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101821\
 Data File : VL037876.D
 Acq On : 19 Oct 2021 12:01
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Quant Time: Oct 20 02:56:17 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL100421A

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Mon Oct 04 17:43:54 2021

Response via : Initial Calibration

Reviewed By : Semsettin Yesilyurt 10/25/2021
 Supervised By : Mahesh Dadoda 10/27/2021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1259726	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3711750	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3346376	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2374302	10.15	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	1633021	8.116 ppbv	96
3) Chlorodifluoromethane	2.99	51	2486400	10.272 ppbv	99
4) Chloromethane	3.14	50	950369	10.720 ppbv	91
5) Vinyl Chloride	3.26	62	921465	11.339 ppbv	98
6) Bromomethane	3.47	94	447819	10.187 ppbv	96
7) Chloroethane	3.56	64	336271	11.253 ppbv	95
8) Dichlorotetrafluoroethane	3.19	85	2091087	10.514 ppbv	100
9) Propene	3.01	41	879029	9.870 ppbv	98
10) Heptane	8.12	43	2293135	11.337 ppbv	100
11) Trichlorofluoromethane	3.95	101	1941907	10.817 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1511364	11.111 ppbv	99
13) Ethanol	3.61	45	89973m	12.353 ppbv	
14) Bromoethene	3.74	108	658783	11.015 ppbv	96
15) Acetone	3.85	43	1354699	11.979 ppbv	100
16) 1,3-Butadiene	3.33	39	914433	11.114 ppbv	100
17) tert-Butyl alcohol	4.28	59	1305924	11.213 ppbv	99
18) 1,1-Dichloroethene	4.29	96	670401	10.845 ppbv	97
19) Isopropyl Alcohol	3.96	45	749490	10.653 ppbv	# 94
20) Methylene Chloride	4.34	84	566838	9.920 ppbv	95
21) Allyl Chloride	4.41	41	1048149	10.462 ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	710823	11.438 ppbv	99
23) Vinyl Acetate	5.07	43	1757310	10.370 ppbv	# 97
24) 1,1-Dichloroethane	5.01	63	1403980	11.381 ppbv	99
25) Ethyl Acetate	5.67	43	3504394	11.043 ppbv	99
26) Hexane	5.68	57	1653052	10.579 ppbv	98
27) Carbon Disulfide	4.55	76	1660259	11.989 ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1348148	10.363 ppbv	99
29) Chloroform	5.75	83	2375080	10.634 ppbv	99
30) Cyclohexane	7.13	84	1400308	10.568 ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1499323	10.570 ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	2248055	10.616 ppbv	99
34) 2-Butanone	5.24	43	1539946	10.277 ppbv	99
35) Carbon Tetrachloride	7.01	117	2363865	11.214 ppbv	99
36) Benzene	6.89	78	3455562	10.900 ppbv	98
37) 1,2-Dichloroethane	6.30	62	1656605	11.097 ppbv	100
38) Trichloroethene	7.83	130	1381046	11.026 ppbv	98
39) 1,2-Dichloropropane	7.61	63	1320803	11.076 ppbv	95
40) 1,4-Dioxane	7.83	88	332193	11.132 ppbv	# 100
41) Tetrahydrofuran	6.05	42	773582	10.543 ppbv	98
42) Bromodichloromethane	7.79	83	2518509	11.486 ppbv	98
43) Methyl Methacrylate	8.01	69	1240432	11.979 ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5865116	11.011	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	812748	11.407	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1077311	10.909	ppbv	96
47) 1,1,2-Trichloroethane	9.47	97	1426140	11.001	ppbv	96
48) Dibromochloromethane	10.30	129	2249840	12.174	ppbv	99
49) Bromoform	13.03	173	1835505	12.981	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	2286380	11.721	ppbv	100
51) 2-Hexanone	10.13	43	1066425	12.246	ppbv #	99
52) Tetrachloroethene	11.22	164	1271067	10.305	ppbv	96
53) Toluene	9.80	91	4051544	11.532	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1967883	11.238	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1566490	11.308	ppbv	99
57) Chlorobenzene	12.14	112	3021207	11.005	ppbv	97
58) Ethyl Benzene	12.71	91	5177452	11.522	ppbv	99
59) m/p-Xylene	12.99	91	8886355m	23.038	ppbv	
60) o-Xylene	13.69	91	4220774	11.418	ppbv	99
61) Styrene	13.52	104	2289911	12.807	ppbv	99
62) Isopropylbenzene	14.66	105	5928173	11.498	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	3123305	10.949	ppbv	100
64) n-propylbenzene	15.56	120	1603047	12.468	ppbv	95
65) tert-Butylbenzene	16.74	119	5208665	11.480	ppbv	99
66) Benzyl Chloride	16.98	91	261187	11.664	ppbv #	99
67) sec-Butylbenzene	17.29	105	7308785	11.778	ppbv	100
69) p-Isopropyltoluene	17.64	119	6160377	12.279	ppbv	100
70) n-Butylbenzene	18.54	91	6148278	12.900	ppbv	100
71) 2-Chlorotoluene	15.45	91	4261247	11.704	ppbv	100
72) 4-Ethyltoluene	15.83	105	5146862	12.262	ppbv	98
73) 1,3,5-Trimethylbenzene	15.99	105	4558601	11.957	ppbv	96
74) 1,2,4-Trimethylbenzene	16.76	105	4799948	11.989	ppbv	97
75) 1,3-Dichlorobenzene	16.99	146	2998785	12.090	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2895147	12.235	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	2884716	12.107	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	2071290	10.646	ppbv	99
79) Naphthalene	22.18	128	3505273	14.296	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	861330	13.083	ppbv	97
81) 1,2,4-Trichlorobenzene	21.91	180	2090830	13.333	ppbv	100

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

