

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030422\
 Data File : VL038551.D
 Acq On : 5 Mar 2022 1:45
 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: Mar 05 06:33:05 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022222A

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

QLast Update : Tue Feb 22 19:45:51 2022

Response via : Initial Calibration

Reviewed By : Semsettin Yesilyurt 03/05/2022
 Supervised By : Mahesh Dadoda 03/07/2022

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	961150	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.14	114	2232651	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.04	117	2099202m	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.37	95	1799958	10.36	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.60%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.03	85	2024361	13.297	ppbv	98
3) Chlorodifluoromethane	2.97	51	1678475	9.890	ppbv	99
4) Chloromethane	3.12	50	580472	9.843	ppbv	96
5) Vinyl Chloride	3.24	62	597361	9.690	ppbv	99
6) Bromomethane	3.46	94	309903	9.530	ppbv	96
7) Chloroethane	3.54	64	215710	10.894	ppbv	99
8) Dichlorotetrafluoroethane	3.17	85	1451849	10.253	ppbv	98
9) Propene	2.99	41	538949	9.618	ppbv	100
10) Heptane	8.09	43	1436428	10.530	ppbv	99
11) Trichlorofluoromethane	3.93	101	1510865	10.366	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1123300	10.512	ppbv	100
13) Ethanol	3.59	45	52182	9.331	ppbv	91
14) Bromoethene	3.72	108	446289	10.484	ppbv	98
15) Acetone	3.83	43	740891	9.064	ppbv	100
16) 1,3-Butadiene	3.31	39	560115	10.259	ppbv	95
17) tert-Butyl alcohol	4.26	59	774398	9.496	ppbv	99
18) 1,1-Dichloroethene	4.27	96	483605	10.308	ppbv	99
19) Isopropyl Alcohol	3.94	45	413324	8.733	ppbv #	96
20) Methylene Chloride	4.32	84	393688	9.721	ppbv	95
21) Allyl Chloride	4.39	41	709301	10.274	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	522463	11.038	ppbv	99
23) Vinyl Acetate	5.04	43	1155624	10.669	ppbv	99
24) 1,1-Dichloroethane	4.98	63	1024333	10.519	ppbv	99
25) Ethyl Acetate	5.65	43	2233133	10.169	ppbv	99
26) Hexane	5.65	57	1018984	10.247	ppbv	98
27) Carbon Disulfide	4.52	76	1245398	11.259	ppbv	98
28) Methyl tert-Butyl Ether	5.01	73	1034143	10.210	ppbv	99
29) Chloroform	5.72	83	1683802	10.374	ppbv	98
30) Cyclohexane	7.10	84	834979	10.266	ppbv	100
31) cis-1,2-Dichloroethene	5.52	61	1021614	10.604	ppbv	98
32) 1,1,1-Trichloroethane	6.47	97	1660088	10.171	ppbv	100
34) 2-Butanone	5.21	43	795541	11.329	ppbv	99
35) Carbon Tetrachloride	6.98	117	1758778	11.203	ppbv	99
36) Benzene	6.85	78	2080204	10.584	ppbv	97
37) 1,2-Dichloroethane	6.27	62	1279565	11.266	ppbv	99
38) Trichloroethene	7.80	130	746826	10.432	ppbv	97
39) 1,2-Dichloropropane	7.58	63	834749	10.663	ppbv	95
40) 1,4-Dioxane	7.80	88	182884	9.849	ppbv	80
41) Tetrahydrofuran	6.01	42	489916	10.326	ppbv	98
42) Bromodichloromethane	7.75	83	1858460	11.331	ppbv	98
43) Methyl Methacrylate	7.98	69	786015	11.504	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.83	57	3631180	10.749	ppbv	99
45) t-1,3-Dichloropropene	9.24	75	600449	10.996	ppbv	98
46) cis-1,3-Dichloropropene	8.66	75	752507	10.514	ppbv	97
47) 1,1,2-Trichloroethane	9.43	97	844565	10.843	ppbv	98
48) Dibromochloromethane	10.26	129	1475190	11.583	ppbv	100
49) Bromoform	13.00	173	1176514	12.515	ppbv	98
50) 4-Methyl-2-Pentanone	8.70	43	1469750	11.839	ppbv	99
51) 2-Hexanone	10.10	43	663263	11.933	ppbv #	98
52) Tetrachloroethene	11.18	164	660928	10.129	ppbv	97
53) Toluene	9.76	91	2372607	11.118	ppbv	100
54) 1,2-Dibromoethane	10.57	107	1252573	11.424	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.08	131	992071	11.338	ppbv	95
57) Chlorobenzene	12.10	112	1729913	10.681	ppbv #	92
58) Ethyl Benzene	12.67	91	3264527	11.372	ppbv	99
59) m/p-Xylene	12.95	91	5621090m	22.801	ppbv	
60) o-Xylene	13.65	91	2722695	11.683	ppbv	99
61) Styrene	13.48	104	1336087	12.430	ppbv	99
62) Isopropylbenzene	14.63	105	3556728	11.371	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.63	83	1996185	10.542	ppbv	100
64) n-propylbenzene	15.52	120	896468	11.576	ppbv	94
65) tert-Butylbenzene	16.70	119	3119616	11.515	ppbv	98
66) Benzyl Chloride	16.94	91	172432	11.779	ppbv	99
67) sec-Butylbenzene	17.25	105	4427342	11.534	ppbv	99
69) p-Isopropyltoluene	17.61	119	3596147	11.927	ppbv	99
70) n-Butylbenzene	18.51	91	3885809	12.454	ppbv	99
71) 2-Chlorotoluene	15.41	91	2796476	11.627	ppbv	98
72) 4-Ethyltoluene	15.80	105	3074624	11.974	ppbv	99
73) 1,3,5-Trimethylbenzene	15.95	105	2775529	11.903	ppbv	100
74) 1,2,4-Trimethylbenzene	16.72	105	2926563	11.887	ppbv	94
75) 1,3-Dichlorobenzene	16.95	146	1561669	11.326	ppbv	98
76) 1,4-Dichlorobenzene	17.09	146	1514721	11.140	ppbv	99
77) 1,2-Dichlorobenzene	17.77	146	1503309	11.326	ppbv	99
78) Hexachloro-1,3-Butadiene	23.33	225	1114233	11.007	ppbv	99
79) Naphthalene	22.14	128	1932946	14.491	ppbv	99
80) Naphthalene, 2-methyl-	24.94	142	251105	9.632	ppbv	97
81) 1,2,4-Trichlorobenzene	21.88	180	1065459	13.211	ppbv	99

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

