

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020322\
 Data File : VL038334.D
 Acq On : 3 Feb 2022 15:04
 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: Feb 04 09:13:51 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422A

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

QLast Update : Mon Jan 24 14:12:48 2022

Response via : Initial Calibration

Reviewed By : Semsettin Yesilyurt 02/04/2022
 Supervised By : Mahesh Dadoda 02/04/2022

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	847523	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	2359568	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	2240374m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1748227	10.28	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	1615423	8.954	ppbv	98
3) Chlorodifluoromethane	2.99	51	1467179	8.696	ppbv	100
4) Chloromethane	3.14	50	473521	8.158	ppbv	96
5) Vinyl Chloride	3.26	62	458258	7.910	ppbv	96
6) Bromomethane	3.47	94	172833	5.518	ppbv	88
7) Chloroethane	3.56	64	164339	8.398	ppbv	94
8) Dichlorotetrafluoroethane	3.19	85	1151442	8.248	ppbv	98
9) Propene	3.01	41	458429	8.347	ppbv	99
10) Heptane	8.11	43	1154812	8.172	ppbv	100
11) Trichlorofluoromethane	3.95	101	1134693	8.073	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	819566	7.714	ppbv	96
13) Ethanol	3.60	45	57698m	9.786	ppbv	
14) Bromoethene	3.74	108	351648	8.470	ppbv	99
15) Acetone	3.84	43	689136	9.224	ppbv	99
16) 1,3-Butadiene	3.32	39	495227	9.237	ppbv	90
17) tert-Butyl alcohol	4.28	59	597563	7.287	ppbv	100
18) 1,1-Dichloroethene	4.29	96	367797	7.961	ppbv	97
19) Isopropyl Alcohol	3.96	45	357119	7.641	ppbv #	97
20) Methylene Chloride	4.34	84	297543	6.847	ppbv	95
21) Allyl Chloride	4.41	41	452114	6.840	ppbv	96
22) trans-1,2-Dichloroethene	4.88	96	364414	7.634	ppbv	96
23) Vinyl Acetate	5.06	43	862057	7.936	ppbv	99
24) 1,1-Dichloroethane	5.00	63	757107	7.824	ppbv	99
25) Ethyl Acetate	5.67	43	1758283	8.406	ppbv	98
26) Hexane	5.68	57	842123	8.655	ppbv	96
27) Carbon Disulfide	4.54	76	862027	7.573	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	764729	7.577	ppbv	99
29) Chloroform	5.74	83	1366968	8.607	ppbv	98
30) Cyclohexane	7.12	84	722300	8.526	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	848778	10.001	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	1356604	8.552	ppbv	99
34) 2-Butanone	5.24	43	777319	10.074	ppbv	99
35) Carbon Tetrachloride	7.01	117	1371875	8.283	ppbv	98
36) Benzene	6.88	78	1785238	8.554	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1002653	8.387	ppbv	99
38) Trichloroethene	7.82	130	624485	8.032	ppbv	96
39) 1,2-Dichloropropane	7.60	63	689102	8.144	ppbv	99
40) 1,4-Dioxane	7.82	88	168544	8.276	ppbv	84
41) Tetrahydrofuran	6.04	42	396143	7.637	ppbv	98
42) Bromodichloromethane	7.78	83	1486964	8.384	ppbv	100
43) Methyl Methacrylate	8.00	69	680762	9.221	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	3011479	8.187	ppbv	98
45) t-1,3-Dichloropropene	9.26	75	235432	3.925	ppbv	96
46) cis-1,3-Dichloropropene	8.69	75	389754	4.870	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	702727	8.452	ppbv	97
48) Dibromochloromethane	10.29	129	1205662	8.613	ppbv	99
49) Bromoform	13.02	173	929977	9.216	ppbv	100
50) 4-Methyl-2-Pentanone	8.73	43	1280746	9.304	ppbv	99
51) 2-Hexanone	10.12	43	622115	10.262	ppbv	96
52) Tetrachloroethene	11.21	164	561255	7.802	ppbv	99
53) Toluene	9.79	91	1986017	8.597	ppbv	99
54) 1,2-Dibromoethane	10.59	107	971613	8.220	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	801792	8.177	ppbv #	56
57) Chlorobenzene	12.13	112	1392177	7.765	ppbv	99
58) Ethyl Benzene	12.69	91	2632649	7.996	ppbv	98
59) m/p-Xylene	12.98	91	4319535m	15.377	ppbv	
60) o-Xylene	13.67	91	2053385	7.859	ppbv	99
61) Styrene	13.51	104	1009403	8.278	ppbv	99
62) Isopropylbenzene	14.65	105	2813494	8.078	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	1499859	7.758	ppbv	100
64) n-propylbenzene	15.55	120	697342	8.323	ppbv	100
65) tert-Butylbenzene	16.73	119	2394238	8.346	ppbv	99
66) Benzyl Chloride	16.97	91	38996m	2.992	ppbv	
67) sec-Butylbenzene	17.28	105	3340609	8.371	ppbv	99
69) p-Isopropyltoluene	17.63	119	2604366	8.528	ppbv	99
70) n-Butylbenzene	18.53	91	2605318	8.710	ppbv	100
71) 2-Chlorotoluene	15.44	91	2108195	8.172	ppbv	100
72) 4-Ethyltoluene	15.82	105	2254042	8.250	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	1985617	8.081	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	2022191	7.812	ppbv #	91
75) 1,3-Dichlorobenzene	16.98	146	1116135	8.035	ppbv	100
76) 1,4-Dichlorobenzene	17.12	146	1050267	7.809	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	1070231	8.295	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	615051	6.857	ppbv	99
79) Naphthalene	22.17	128	982238	8.116	ppbv	98
80) Naphthalene,2-methyl-	24.96	142	129564	9.844	ppbv	96
81) 1,2,4-Trichlorobenzene	21.90	180	562837	7.907	ppbv	100

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

