

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012422\
 Data File : VL038282.D
 Acq On : 25 Jan 2022 5:23
 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: Jan 25 05:56:20 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 01/25/2022
 Supervised By :Mahesh Dadoda 01/26/2022

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	803124	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2118411	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2009440m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1524102	9.99	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	1491951	8.727	ppbv 98
3) Chlorodifluoromethane	3.00	51	1366771	8.549	ppbv 99
4) Chloromethane	3.16	50	411839	7.487	ppbv 98
5) Vinyl Chloride	3.27	62	435270	7.928	ppbv 98
6) Bromomethane	3.49	94	156007	5.256	ppbv 97
7) Chloroethane	3.57	64	149012	8.036	ppbv 94
8) Dichlorotetrafluoroethane	3.20	85	1055605	7.979	ppbv 100
9) Propene	3.02	41	422941	8.126	ppbv 100
10) Heptane	8.13	43	1068632	7.980	ppbv 100
11) Trichlorofluoromethane	3.96	101	1102476	8.278	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.50	101	777486	7.722	ppbv 96
13) Ethanol	3.62	45	51879m	9.285	ppbv
14) Bromoethene	3.75	108	316800	8.053	ppbv 97
15) Acetone	3.86	43	596606	8.427	ppbv 98
16) 1,3-Butadiene	3.34	39	459659	9.048	ppbv 89
17) tert-Butyl alcohol	4.30	59	530126	6.822	ppbv 98
18) 1,1-Dichloroethene	4.30	96	346292	7.910	ppbv 99
19) Isopropyl Alcohol	3.97	45	292174	6.597	ppbv 99
20) Methylene Chloride	4.36	84	284475	6.909	ppbv 98
21) Allyl Chloride	4.42	41	438983	7.008	ppbv 96
22) trans-1,2-Dichloroethene	4.90	96	367223	8.118	ppbv 97
23) Vinyl Acetate	5.09	43	855002	8.306	ppbv 99
24) 1,1-Dichloroethane	5.02	63	754178	8.224	ppbv 99
25) Ethyl Acetate	5.69	43	1607705	8.111	ppbv 98
26) Hexane	5.70	57	768871	8.339	ppbv 96
27) Carbon Disulfide	4.56	76	853818	7.916	ppbv 100
28) Methyl tert-Butyl Ether	5.05	73	749811	7.840	ppbv 99
29) Chloroform	5.76	83	1253758	8.331	ppbv 99
30) Cyclohexane	7.14	84	645883	8.046	ppbv 95
31) cis-1,2-Dichloroethene	5.56	61	767288	9.540	ppbv 95
32) 1,1,1-Trichloroethane	6.53	97	1232147	8.197	ppbv 99
34) 2-Butanone	5.26	43	557518	8.048	ppbv 98
35) Carbon Tetrachloride	7.03	117	1260154	8.475	ppbv 100
36) Benzene	6.90	78	1611763	8.602	ppbv 98
37) 1,2-Dichloroethane	6.32	62	934054	8.703	ppbv 100
38) Trichloroethene	7.85	130	556498	7.973	ppbv 95
39) 1,2-Dichloropropane	7.62	63	639037	8.412	ppbv 97
40) 1,4-Dioxane	7.84	88	144891m	7.924	ppbv
41) Tetrahydrofuran	6.06	42	362196	7.778	ppbv 99
42) Bromodichloromethane	7.80	83	1377638	8.652	ppbv 100
43) Methyl Methacrylate	8.02	69	606896	9.157	ppbv 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	2791626	8.454	ppbv	97
45) t-1,3-Dichloropropene	9.29	75	200395	3.721	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	327271	4.555	ppbv	96
47) 1,1,2-Trichloroethane	9.48	97	626915	8.398	ppbv	98
48) Dibromochloromethane	10.31	129	1104602	8.790	ppbv	99
49) Bromoform	13.05	173	851429	9.398	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	1185888	9.596	ppbv	98
51) 2-Hexanone	10.14	43	580393	10.663	ppbv #	98
52) Tetrachloroethene	11.24	164	490976	7.602	ppbv	99
53) Toluene	9.82	91	1789907	8.630	ppbv	100
54) 1,2-Dibromoethane	10.62	107	870663	8.204	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	734951	8.356	ppbv #	58
57) Chlorobenzene	12.16	112	1251070	7.780	ppbv	100
58) Ethyl Benzene	12.72	91	2420044	8.195	ppbv	98
59) m/p-Xylene	13.00	91	3974556m	15.775	ppbv	
60) o-Xylene	13.70	91	1906699	8.137	ppbv	98
61) Styrene	13.54	104	901361	8.242	ppbv	99
62) Isopropylbenzene	14.68	105	2588446	8.286	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	1402987	8.091	ppbv	100
64) n-propylbenzene	15.57	120	631446	8.402	ppbv	96
65) tert-Butylbenzene	16.75	119	2193107	8.524	ppbv	99
66) Benzyl Chloride	17.00	91	33747m	2.887	ppbv	
67) sec-Butylbenzene	17.30	105	3076163	8.594	ppbv	99
69) p-Isopropyltoluene	17.66	119	2397235	8.752	ppbv	99
70) n-Butylbenzene	18.55	91	2422121	9.028	ppbv	99
71) 2-Chlorotoluene	15.46	91	1955635	8.452	ppbv	98
72) 4-Ethyltoluene	15.85	105	2097675	8.560	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	1829840	8.303	ppbv	100
74) 1,2,4-Trimethylbenzene	16.77	105	1889409	8.138	ppbv	98
75) 1,3-Dichlorobenzene	17.00	146	1017341	8.165	ppbv	100
76) 1,4-Dichlorobenzene	17.15	146	958748	7.948	ppbv	97
77) 1,2-Dichlorobenzene	17.82	146	978191	8.453	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	567028	7.048	ppbv	99
79) Naphthalene	22.21	128	847740	7.810	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	95517	8.091	ppbv	91
81) 1,2,4-Trichlorobenzene	21.93	180	489819	7.672	ppbv	99

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

