

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050522\
 Data File : VL038957.D
 Acq On : 5 May 2022 2:43
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/07/2022
 Supervised By : Mahesh Dadoda 05/09/2022

Quant Time: May 05 04:56:32 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu May 05 04:53:24 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1371375	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3310040	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3102087m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2461497	10.03	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	1993914	8.994	ppbv 100
3) Chlorodifluoromethane	2.99	51	1570908	6.506	ppbv 100
4) Chloromethane	3.14	50	805561	8.982	ppbv 100
5) Vinyl Chloride	3.26	62	768094	8.376	ppbv 100
6) Bromomethane	3.48	94	367900	7.517	ppbv 100
7) Chloroethane	3.56	64	254883	8.140	ppbv 100
8) Dichlorotetrafluoroethane	3.19	85	1833947	8.704	ppbv 100
9) Propene	3.01	41	659341	8.327	ppbv 100
10) Heptane	8.11	43	1760191	8.680	ppbv 99
11) Trichlorofluoromethane	3.95	101	1727178	7.830	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1225471	8.594	ppbv 100
13) Ethanol	3.61	45	41786m	4.818	ppbv
14) Bromoethene	3.74	108	525846	8.862	ppbv 100
15) Acetone	3.85	43	1202342	8.875	ppbv 100
16) 1,3-Butadiene	3.33	39	712524	7.893	ppbv 100
17) tert-Butyl alcohol	4.28	59	957399	8.395	ppbv 100
18) 1,1-Dichloroethene	4.29	96	524657	8.327	ppbv 100
19) Isopropyl Alcohol	3.96	45	608608	8.419	ppbv 100
20) Methylene Chloride	4.34	84	437504	7.169	ppbv 100
21) Allyl Chloride	4.41	41	874039	8.417	ppbv 100
22) trans-1,2-Dichloroethene	4.88	96	570699	9.556	ppbv 100
23) Vinyl Acetate	5.07	43	1030005	5.007	ppbv 100
24) 1,1-Dichloroethane	5.01	63	1122189	7.080	ppbv 100
25) Ethyl Acetate	5.67	43	3028297	9.439	ppbv 100
26) Hexane	5.68	57	1289695	8.823	ppbv 100
27) Carbon Disulfide	4.55	76	1369144	9.499	ppbv 99
28) Methyl tert-Butyl Ether	5.03	73	1035379	6.411	ppbv 100
29) Chloroform	5.75	83	2176000	9.162	ppbv 100
30) Cyclohexane	7.13	84	1086032	9.172	ppbv 100
31) cis-1,2-Dichloroethene	5.55	61	1383187	9.684	ppbv 100
32) 1,1,1-Trichloroethane	6.51	97	2186237	9.141	ppbv 100
34) 2-Butanone	5.24	43	1668153	10.153	ppbv 99
35) Carbon Tetrachloride	7.01	117	2224494	8.765	ppbv 100
36) Benzene	6.89	78	2707367	8.965	ppbv 100
37) 1,2-Dichloroethane	6.30	62	1737086	9.609	ppbv 100
38) Trichloroethene	7.83	130	1174951	9.717	ppbv 100
39) 1,2-Dichloropropane	7.61	63	1079002	8.820	ppbv 100
40) 1,4-Dioxane	7.82	88	388399	12.369	ppbv 100
41) Tetrahydrofuran	6.04	42	1117477	13.692	ppbv 100
42) Bromodichloromethane	7.79	83	2411774	9.816	ppbv 100
43) Methyl Methacrylate	8.01	69	1150649	11.043	ppbv 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4637070	8.682	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	1328128	11.242	ppbv	100
46) cis-1,3-Dichloropropene	8.69	75	1595585	10.630	ppbv	100
47) 1,1,2-Trichloroethane	9.47	97	1105222	8.878	ppbv	100
48) Dibromochloromethane	10.30	129	1937184	10.120	ppbv	100
49) Bromoform	13.03	173	1537764	10.038	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2929512	11.927	ppbv	100
51) 2-Hexanone	10.12	43	2353767	16.931	ppbv	100
52) Tetrachloroethene	11.21	164	926097	8.306	ppbv	100
53) Toluene	9.80	91	3097357	9.605	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1585476	9.043	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.11	131	1310675	9.380	ppbv	96
57) Chlorobenzene	12.14	112	2189457	8.437	ppbv	100
58) Ethyl Benzene	12.70	91	4197211	9.411	ppbv	100
59) m/p-Xylene	12.99	91	7125870m	18.272	ppbv	
60) o-Xylene	13.68	91	3343676	8.874	ppbv	100
61) Styrene	13.52	104	1949374	10.383	ppbv	100
62) Isopropylbenzene	14.65	105	4820833	9.395	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	1930917	6.837	ppbv	100
64) n-propylbenzene	15.55	120	1224975	9.788	ppbv	99
65) tert-Butylbenzene	16.73	119	4176502	9.375	ppbv	100
66) Benzyl Chloride	16.97	91	803472	14.743	ppbv	100
67) sec-Butylbenzene	17.28	105	6004728	9.495	ppbv	100
69) p-Isopropyltoluene	17.64	119	4945510	10.005	ppbv	100
70) n-Butylbenzene	18.54	91	5383486	10.388	ppbv	100
71) 2-Chlorotoluene	15.44	91	3790373	9.820	ppbv	100
72) 4-Ethyltoluene	15.83	105	3927912	9.495	ppbv	100
73) 1,3,5-Trimethylbenzene	15.99	105	3568600	9.256	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	3792698	9.111	ppbv	100
75) 1,3-Dichlorobenzene	16.98	146	2122150	9.102	ppbv	100
76) 1,4-Dichlorobenzene	17.12	146	2112558	9.093	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	2073289	9.393	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	1682321	8.468	ppbv	100
79) Naphthalene	22.17	128	3531949	13.761	ppbv	100
80) Naphthalene, 2-methyl-	24.95	142	1138835	20.333	ppbv	98
81) 1,2,4-Trichlorobenzene	21.90	180	1865279	11.971	ppbv	99

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

