

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060722\
 Data File : VL039204.D
 Acq On : 7 Jun 2022 11:12
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/10/2022
 Supervised By : Mahesh Dadoda 06/10/2022

Quant Time: Jun 08 05:08:45 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1148512	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3243915	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3201257m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2404824	9.09	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	90.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	2016846	9.998	ppbv 98
3) Chlorodifluoromethane	2.99	51	1468358	10.048	ppbv 94
4) Chloromethane	3.14	50	711474	9.478	ppbv 100
5) Vinyl Chloride	3.26	62	727892	10.373	ppbv 99
6) Bromomethane	3.48	94	336341	9.743	ppbv 98
7) Chloroethane	3.56	64	248439	10.161	ppbv 95
8) Dichlorotetrafluoroethane	3.19	85	1748909	9.486	ppbv 93
9) Propene	3.01	41	702551	11.026	ppbv 100
10) Heptane	8.12	43	1751009	11.780	ppbv 99
11) Trichlorofluoromethane	3.95	101	1634155	8.949	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1183545	9.801	ppbv 98
13) Ethanol	3.61	45	33473	9.632	ppbv # 100
14) Bromoethene	3.74	108	544501	10.030	ppbv 99
15) Acetone	3.85	43	1248882	10.439	ppbv 100
16) 1,3-Butadiene	3.33	39	666444	10.362	ppbv 98
17) tert-Butyl alcohol	4.28	59	1145692	12.346	ppbv 98
18) 1,1-Dichloroethene	4.29	96	538188	9.935	ppbv 99
19) Isopropyl Alcohol	3.96	45	609056	10.854	ppbv 100
20) Methylene Chloride	4.34	84	432663	8.582	ppbv 94
21) Allyl Chloride	4.41	41	804607	9.970	ppbv 98
22) trans-1,2-Dichloroethene	4.88	96	548195	10.518	ppbv 98
23) Vinyl Acetate	5.07	43	739439	7.470	ppbv 98
24) 1,1-Dichloroethane	5.01	63	1073744	7.917	ppbv 98
25) Ethyl Acetate	5.67	43	3278909	12.160	ppbv 99
26) Hexane	5.69	57	1301790	10.986	ppbv 91
27) Carbon Disulfide	4.55	76	1274643	10.379	ppbv 98
28) Methyl tert-Butyl Ether	5.03	73	1026690	7.848	ppbv 99
29) Chloroform	5.75	83	2024424	10.153	ppbv 99
30) Cyclohexane	7.13	84	1167378	11.727	ppbv 93
31) cis-1,2-Dichloroethene	5.55	61	1276012	10.561	ppbv 93
32) 1,1,1-Trichloroethane	6.51	97	2029112	10.399	ppbv 98
34) 2-Butanone	5.24	43	1724441	9.785	ppbv 97
35) Carbon Tetrachloride	7.02	117	2059303	8.698	ppbv 97
36) Benzene	6.89	78	2800970	10.636	ppbv 95
37) 1,2-Dichloroethane	6.30	62	1413572	8.156	ppbv # 94
38) Trichloroethene	7.83	130	1139307	9.418	ppbv 98
39) 1,2-Dichloropropane	7.61	63	1059116	10.111	ppbv 92
40) 1,4-Dioxane	7.82	88	390355	11.319	ppbv # 1
41) Tetrahydrofuran	6.04	42	1118009	10.548	ppbv 99
42) Bromodichloromethane	7.79	83	2215187	9.209	ppbv 99
43) Methyl Methacrylate	8.01	69	1201625	11.714	ppbv 93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4582721	9.947	ppbv	98
45) t-1,3-Dichloropropene	9.28	75	909822	8.516	ppbv	100
46) cis-1,3-Dichloropropene	8.70	75	1283114	9.091	ppbv	96
47) 1,1,2-Trichloroethane	9.47	97	1177012	10.770	ppbv	98
48) Dibromochloromethane	10.30	129	1941838	9.951	ppbv	99
49) Bromoform	13.03	173	1661048	10.214	ppbv	98
50) 4-Methyl-2-Pentanone	8.73	43	2747783	10.416	ppbv	97
51) 2-Hexanone	10.12	43	2145387	10.452	ppbv #	98
52) Tetrachloroethene	11.21	164	1056323	10.273	ppbv	97
53) Toluene	9.80	91	3282770	10.825	ppbv	98
54) 1,2-Dibromoethane	10.60	107	1657807	11.289	ppbv	93
56) 1,1,1,2-Tetrachloroethane	12.12	131	1474748	9.736	ppbv	99
57) Chlorobenzene	12.14	112	2418222	10.040	ppbv	95
58) Ethyl Benzene	12.70	91	4474662	10.148	ppbv	100
59) m/p-Xylene	12.99	91	7366282m	18.970	ppbv	
60) o-Xylene	13.68	91	3524642	9.660	ppbv	98
61) Styrene	13.52	104	2132599	10.914	ppbv	93
62) Isopropylbenzene	14.66	105	5493784	10.130	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.67	83	2362640	11.536	ppbv	100
64) n-propylbenzene	15.55	120	1468575	11.016	ppbv	88
65) tert-Butylbenzene	16.73	119	4821326	9.722	ppbv	95
66) Benzyl Chloride	16.98	91	356728	5.532	ppbv	99
67) sec-Butylbenzene	17.28	105	6839954	10.109	ppbv	98
69) p-Isopropyltoluene	17.64	119	5767272	10.103	ppbv	97
70) n-Butylbenzene	18.54	91	5930128	10.120	ppbv	99
71) 2-Chlorotoluene	15.44	91	4178703	10.104	ppbv	99
72) 4-Ethyltoluene	15.83	105	4435366	10.372	ppbv	98
73) 1,3,5-Trimethylbenzene	15.99	105	3900628	10.113	ppbv	99
74) 1,2,4-Trimethylbenzene	16.75	105	4157352	9.658	ppbv	94
75) 1,3-Dichlorobenzene	16.98	146	2474149	10.155	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	2430585	9.999	ppbv	97
77) 1,2-Dichlorobenzene	17.80	146	2472091	10.067	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1909079	8.502	ppbv	99
79) Naphthalene	22.18	128	3655273	11.031	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	940196	7.637	ppbv	93
81) 1,2,4-Trichlorobenzene	21.91	180	2053047	9.780	ppbv #	100

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

