

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071922\
 Data File : VL039480.D
 Acq On : 19 Jul 2022 12:51
 Operator : SY/AP
 Sample : VISTCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Jul 20 05:39:05 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 20 05:39:05 2022

QLast Update : Wed Jul 06 02:15:38 2022

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 07/20/2022
 Supervised By : Mahesh Dadoda 07/21/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.680	49	1213829	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	7.185	114	3369384	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.098	117	3252088m	10.000	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.429 95 2474862 10.258 ppbv 0.04
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.057	85	1252537	7.154	ppbv	98
3) Chlorodifluoromethane	2.996	51	1438350	9.340	ppbv	99
4) Chloromethane	3.147	50	797865	9.473	ppbv	99
5) Vinyl Chloride	3.266	62	755007	9.091	ppbv	95
6) Bromomethane	3.481	94	334236	9.562	ppbv	98
7) Chloroethane	3.565	64	286218	9.689	ppbv	94
8) Dichlorotetrafluoroethane	3.195	85	1711283	8.948	ppbv	98
9) Propene	3.018	41	626959	9.015	ppbv	98
10) Heptane	8.137	43	1627242	9.990	ppbv	99
11) Trichlorofluoromethane	3.960	101	1857952	9.523	ppbv	97
12) 1,1,2-Trichlorotrifluoro...	4.494	101	1399326	9.621	ppbv	99
13) Ethanol	3.607	45	46002	11.401	ppbv	82
14) Bromoethene	3.748	108	587312	9.605	ppbv	98
15) Acetone	3.854	43	1387612	9.663	ppbv	98
16) 1,3-Butadiene	3.333	39	753440	10.112	ppbv	98
17) tert-Butyl alcohol	4.288	59	1373426	11.268	ppbv	99
18) 1,1-Dichloroethene	4.298	96	621767	9.436	ppbv	97
19) Isopropyl Alcohol	3.967	45	748447	9.771	ppbv #	96
20) Methylene Chloride	4.353	84	516199	9.018	ppbv #	95
21) Allyl Chloride	4.420	41	968818	9.741	ppbv	99
22) trans-1,2-Dichloroethene	4.896	96	643745	10.093	ppbv	97
23) Vinyl Acetate	5.079	43	1098851	11.450	ppbv	99
24) 1,1-Dichloroethane	5.021	63	1306564	9.640	ppbv	99
25) Ethyl Acetate	5.687	43	2928000	9.944	ppbv	100
26) Hexane	5.697	57	1222906	10.303	ppbv	96
27) Carbon Disulfide	4.558	76	1551954	10.833	ppbv	98
28) Methyl tert-Butyl Ether	5.044	73	1214362	9.569	ppbv	98
29) Chloroform	5.764	83	1981753	9.602	ppbv	98
30) Cyclohexane	7.140	84	1108467	10.258	ppbv	96
31) cis-1,2-Dichloroethene	5.558	61	1260882	10.012	ppbv	99
32) 1,1,1-Trichloroethane	6.523	97	2112510	10.370	ppbv	98
34) 2-Butanone	5.250	43	1758324	10.367	ppbv	100
35) Carbon Tetrachloride	7.028	117	2231180	10.717	ppbv	96
36) Benzene	6.906	78	2642006	10.131	ppbv	96
37) 1,2-Dichloroethane	6.317	62	1550144	10.071	ppbv	100
38) Trichloroethene	7.848	130	1436933	10.188	ppbv	98
39) 1,2-Dichloropropane	7.626	63	970773	9.965	ppbv	94
40) 1,4-Dioxane	7.838	88	384222	9.897	ppbv #	1
41) Tetrahydrofuran	6.057	42	1000205	10.176	ppbv	98
42) Bromodichloromethane	7.803	83	2205979	10.629	ppbv	95
43) Methyl Methacrylate	8.024	69	1079547	10.887	ppbv	100
44) 2,2,4-Trimethylpentane	7.883	57	4387391	9.928	ppbv	99
45) t-1,3-Dichloropropene	9.288	75	757307	8.578	ppbv	98

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 6

QLast Update : Wed Jul 06 02:15:38 2022

Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/20/2022
 Supervised By :Mahesh Dadoda 07/21/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.716	75	1056485	8.694	ppbv	99
47) 1,1,2-Trichloroethane	9.491	97	1025946	9.386	ppbv	97
48) Dibromochloromethane	10.317	129	1918622	11.043	ppbv	100
49) Bromoform	13.056	173	1625888	11.600	ppbv	99
50) 4-Methyl-2-Pentanone	8.751	43	2348863	9.159	ppbv	98
51) 2-Hexanone	10.143	43	2155438	11.111	ppbv	100
52) Tetrachloroethene	11.233	164	1025622	9.770	ppbv	96
53) Toluene	9.819	91	3148932	10.469	ppbv	100
54) 1,2-Dibromoethane	10.622	107	1446453	10.635	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.140	131	1438742	10.015	ppbv	95
57) Chlorobenzene	12.159	112	2425370	9.619	ppbv	99
58) Ethyl Benzene	12.722	91	4213361	10.034	ppbv	99
59) m/p-Xylene	13.011	91	7300797m	19.721	ppbv	
60) o-Xylene	13.703	91	3510175	10.013	ppbv	100
61) Styrene	13.539	104	2094197	11.028	ppbv	100
62) Isopropylbenzene	14.680	105	5171737	9.688	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.690	83	1673647	9.108	ppbv	100
64) n-propylbenzene	15.577	120	1371246	10.134	ppbv	99
65) tert-Butylbenzene	16.757	119	4832317	9.795	ppbv	100
66) Benzyl Chloride	16.998	91	546564	11.659	ppbv	97
67) sec-Butylbenzene	17.307	105	6551703	9.860	ppbv	99
69) p-Isopropyltoluene	17.664	119	5687768	10.088	ppbv	100
70) n-Butylbenzene	18.558	91	5509579	10.068	ppbv	99
71) 2-Chlorotoluene	15.465	91	3818672	9.994	ppbv	100
72) 4-Ethyltoluene	15.851	105	4289743	10.408	ppbv	99
73) 1,3,5-Trimethylbenzene	16.008	105	3910967	10.331	ppbv	98
74) 1,2,4-Trimethylbenzene	16.773	105	4198430	10.026	ppbv	97
75) 1,3-Dichlorobenzene	17.008	146	2517939	10.080	ppbv	99
76) 1,4-Dichlorobenzene	17.149	146	2408020	9.726	ppbv	100
77) 1,2-Dichlorobenzene	17.825	146	2429253	9.811	ppbv	100
78) Hexachloro-1,3-Butadiene	23.384	225	1818269	9.131	ppbv	99
79) Naphthalene	22.204	128	3476244	12.062	ppbv	100
80) Naphthalene,2-methyl-	24.976	142	1342409	13.686	ppbv	97
81) 1,2,4-Trichlorobenzene	21.937	180	2020970	10.766	ppbv	99

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

