

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071322\
 Data File : VL039469.D
 Acq On : 13 Jul 2022 16:49
 Operator : SY/AP
 Sample : VISTCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Jul 14 01:22:12 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 14 01:22:12 2022
 QLast Update : Wed Jul 06 02:15:38 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 07/14/2022
 Supervised By : Mahesh Dadoda 07/14/2022

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

Internal Standards						
1) Bromochloromethane	5.674	49	1405025	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.185	114	3896876	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.095	117	3579363m	10.000	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.423	95	2731522	10.287	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.900%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.060	85	2016008	9.948	ppbv 98
3) Chlorodifluoromethane	2.999	51	1572840	8.824	ppbv 96
4) Chloromethane	3.150	50	909916	9.333	ppbv 97
5) Vinyl Chloride	3.269	62	866344	9.012	ppbv 98
6) Bromomethane	3.484	94	348376	8.611	ppbv 99
7) Chloroethane	3.568	64	298413	8.727	ppbv 99
8) Dichlorotetrafluoroethane	3.198	85	2011325	9.085	ppbv 96
9) Propene	3.021	41	800258	9.941	ppbv 97
10) Heptane	8.127	43	1931642	10.245	ppbv 99
11) Trichlorofluoromethane	3.960	101	1869834	8.280	ppbv 99
12) 1,1,2-Trichlorotrifluo...	4.494	101	1384112	8.221	ppbv 100
13) Ethanol	3.603	45	47680m	10.209	ppbv
14) Bromoethene	3.751	108	602554	8.513	ppbv 97
15) Acetone	3.857	43	1446144	8.700	ppbv 99
16) 1,3-Butadiene	3.340	39	816335	9.465	ppbv 100
17) tert-Butyl alcohol	4.291	59	1362378	9.657	ppbv 99
18) 1,1-Dichloroethene	4.298	96	652324	8.553	ppbv 99
19) Isopropyl Alcohol	3.967	45	773407	8.723	ppbv # 95
20) Methylene Chloride	4.353	84	537105	8.107	ppbv 99
21) Allyl Chloride	4.423	41	1027999	8.929	ppbv 98
22) trans-1,2-Dichloroethene	4.896	96	647909	8.776	ppbv 97
23) Vinyl Acetate	5.079	43	1209059	10.884	ppbv # 98
24) 1,1-Dichloroethane	5.021	63	1573522	10.030	ppbv 98
25) Ethyl Acetate	5.684	43	3368064	9.882	ppbv 100
26) Hexane	5.697	57	1449366	10.549	ppbv 97
27) Carbon Disulfide	4.562	76	1532631	9.242	ppbv 99
28) Methyl tert-Butyl Ether	5.044	73	1580374	10.758	ppbv 97
29) Chloroform	5.761	83	2088304	8.741	ppbv 97
30) Cyclohexane	7.140	84	1249761	9.992	ppbv 99
31) cis-1,2-Dichloroethene	5.555	61	1401232	9.612	ppbv 98
32) 1,1,1-Trichloroethane	6.520	97	2058585	8.730	ppbv 99
34) 2-Butanone	5.250	43	1999349	10.192	ppbv 100
35) Carbon Tetrachloride	7.028	117	2105954	8.746	ppbv 100
36) Benzene	6.899	78	3001040	9.950	ppbv 96
37) 1,2-Dichloroethane	6.314	62	1569451	8.816	ppbv 98
38) Trichloroethene	7.844	130	1517257	9.301	ppbv 100
39) 1,2-Dichloropropane	7.623	63	1154045	10.243	ppbv 96
40) 1,4-Dioxane	7.835	88	397133	8.845	ppbv # 1
41) Tetrahydrofuran	6.057	42	1214662	10.686	ppbv 99
42) Bromodichloromethane	7.799	83	2299049	9.578	ppbv 99
43) Methyl Methacrylate	8.021	69	1220436	10.642	ppbv 100
44) 2,2,4-Trimethylpentane	7.877	57	4994129	9.771	ppbv 98
45) t-1,3-Dichloropropene	9.288	75	1209819	11.849	ppbv 98

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

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

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

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.709	75	1574501	11.203	ppbv	95
47) 1,1,2-Trichloroethane	9.481	97	1204477	9.527	ppbv	97
48) Dibromochloromethane	10.311	129	1998755	9.947	ppbv	99
49) Bromoform	13.050	173	1711914	10.561	ppbv	100
50) 4-Methyl-2-Pentanone	8.745	43	3172596	10.696	ppbv	99
51) 2-Hexanone	10.140	43	2488636	11.093	ppbv #	98
52) Tetrachloroethene	11.233	164	1148664	9.461	ppbv	97
53) Toluene	9.815	91	3545250	10.191	ppbv	99
54) 1,2-Dibromoethane	10.619	107	1577176	10.026	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.134	131	1463639	9.256	ppbv #	93
57) Chlorobenzene	12.153	112	2612326	9.414	ppbv	97
58) Ethyl Benzene	12.719	91	4630922	10.020	ppbv	99
59) m/p-Xylene	13.005	91	7779312m	19.092	ppbv	
60) o-Xylene	13.699	91	3711027	9.618	ppbv	98
61) Styrene	13.532	104	2308327	11.044	ppbv	99
62) Isopropylbenzene	14.674	105	5558829	9.461	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.683	83	1836340	9.080	ppbv	100
64) n-propylbenzene	15.564	120	1482235	9.953	ppbv	96
65) tert-Butylbenzene	16.751	119	4992902	9.196	ppbv	98
66) Benzyl Chloride	16.995	91	581501	11.270	ppbv	100
67) sec-Butylbenzene	17.297	105	6873415	9.398	ppbv	99
69) p-Isopropyltoluene	17.661	119	5889698	9.491	ppbv	99
70) n-Butylbenzene	18.555	91	5739189	9.529	ppbv	99
71) 2-Chlorotoluene	15.458	91	4110552	9.775	ppbv	100
72) 4-Ethyltoluene	15.847	105	4529828	9.985	ppbv	99
73) 1,3,5-Trimethylbenzene	16.002	105	4098109	9.836	ppbv	99
74) 1,2,4-Trimethylbenzene	16.770	105	4361197	9.462	ppbv	98
75) 1,3-Dichlorobenzene	17.002	146	2642610	9.612	ppbv	99
76) 1,4-Dichlorobenzene	17.140	146	2572215	9.439	ppbv	99
77) 1,2-Dichlorobenzene	17.822	146	2547065	9.346	ppbv	99
78) Hexachloro-1,3-Butadiene	23.381	225	1808052	8.249	ppbv	99
79) Naphthalene	22.198	128	3540080	11.161	ppbv	99
80) Naphthalene,2-methyl-	24.969	142	1199996	11.115	ppbv	97
81) 1,2,4-Trichlorobenzene	21.934	180	2089430	10.113	ppbv	98

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

