

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062922\
 Data File : VL039401.D
 Acq On : 29 Jun 2022 17:30
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL062922

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 07/01/2022
 Supervised By : Mahesh Dadoda 07/01/2022

Quant Time: Jun 30 05:42:55 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jun 30 05:40:11 2022

QLast Update : Thu Jun 30 05:40:11 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.655	49	1386551	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.163	114	3807478	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.069	117	3626397m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.397 95 2668214 9.918 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.044	85	1694002	8.470	ppbv	99
3) Chlorodifluoromethane	2.986	51	1540294	8.756	ppbv	98
4) Chloromethane	3.134	50	867700	9.019	ppbv	98
5) Vinyl Chloride	3.253	62	788116	8.307	ppbv	99
6) Bromomethane	3.465	94	367588	9.206	ppbv	94
7) Chloroethane	3.549	64	297910	8.828	ppbv	99
8) Dichlorotetrafluoroethane	3.182	85	1939582	8.878	ppbv	99
9) Propene	3.005	41	718215	9.041	ppbv	99
10) Heptane	8.108	43	1773314	9.530	ppbv	100
11) Trichlorofluoromethane	3.944	101	1931204	8.665	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.478	101	1397962	8.414	ppbv	99
13) Ethanol	3.591	45	51280m	11.126	ppbv	
14) Bromoethene	3.732	108	630288	9.024	ppbv	99
15) Acetone	3.838	43	1451219	8.847	ppbv	99
16) 1,3-Butadiene	3.320	39	790422	9.287	ppbv	100
17) tert-Butyl alcohol	4.269	59	1384773	9.946	ppbv	98
18) 1,1-Dichloroethene	4.282	96	673485	8.948	ppbv	99
19) Isopropyl Alcohol	3.951	45	751170	8.585	ppbv #	93
20) Methylene Chloride	4.336	84	543140	8.307	ppbv	97
21) Allyl Chloride	4.404	41	1053112	9.269	ppbv	98
22) trans-1,2-Dichloroethene	4.877	96	649338	8.913	ppbv	98
23) Vinyl Acetate	5.060	43	1123375	10.247	ppbv #	98
24) 1,1-Dichloroethane	5.002	63	1489437	9.620	ppbv	98
25) Ethyl Acetate	5.661	43	3184958	9.469	ppbv	100
26) Hexane	5.677	57	1364683	10.065	ppbv	98
27) Carbon Disulfide	4.542	76	1606180	9.815	ppbv	100
28) Methyl tert-Butyl Ether	5.021	73	1459799	10.070	ppbv	98
29) Chloroform	5.742	83	2094620	8.884	ppbv	98
30) Cyclohexane	7.118	84	1160109	9.399	ppbv	99
31) cis-1,2-Dichloroethene	5.536	61	1351230	9.393	ppbv	98
32) 1,1,1-Trichloroethane	6.500	97	2082937	8.951	ppbv	100
34) 2-Butanone	5.230	43	1904061	9.934	ppbv	99
35) Carbon Tetrachloride	7.005	117	2205224	9.373	ppbv	98
36) Benzene	6.877	78	2804296	9.516	ppbv	97
37) 1,2-Dichloroethane	6.295	62	1555997	8.946	ppbv	99
38) Trichloroethene	7.825	130	1482096	9.299	ppbv	99
39) 1,2-Dichloropropane	7.600	63	1048678	9.526	ppbv	97
40) 1,4-Dioxane	7.815	88	418037	9.529	ppbv #	1
41) Tetrahydrofuran	6.034	42	1150576	10.359	ppbv	99
42) Bromodichloromethane	7.780	83	2279399	9.719	ppbv	99
43) Methyl Methacrylate	7.999	69	1157840	10.333	ppbv	99
44) 2,2,4-Trimethylpentane	7.857	57	4699064	9.410	ppbv	99
45) t-1,3-Dichloropropene	9.262	75	1204883	12.077	ppbv	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.690	75	1541058	11.223	ppbv	99
47) 1,1,2-Trichloroethane	9.462	97	1170094	9.473	ppbv	99
48) Dibromochloromethane	10.291	129	2035516	10.368	ppbv	100
49) Bromoform	13.027	173	1713947	10.822	ppbv	99
50) 4-Methyl-2-Pentanone	8.725	43	2944410	10.160	ppbv	100
51) 2-Hexanone	10.114	43	2336542	10.659	ppbv #	100
52) Tetrachloroethene	11.208	164	1091717	9.203	ppbv	99
53) Toluene	9.790	91	3368075	9.909	ppbv	100
54) 1,2-Dibromoethane	10.597	107	1547831	10.071	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.111	131	1467714	9.162	ppbv #	57
57) Chlorobenzene	12.130	112	2562251	9.113	ppbv	97
58) Ethyl Benzene	12.696	91	4536119	9.687	ppbv	100
59) m/p-Xylene	12.982	91	7657335m	18.549	ppbv	
60) o-Xylene	13.674	91	3665115	9.376	ppbv	99
61) Styrene	13.513	104	2259434	10.670	ppbv	99
62) Isopropylbenzene	14.651	105	5440021	9.138	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.664	83	1745931	8.521	ppbv	100
64) n-propylbenzene	15.545	120	1430555	9.481	ppbv	100
65) tert-Butylbenzene	16.728	119	4929781	8.962	ppbv	100
66) Benzyl Chloride	16.969	91	663583	12.694	ppbv	99
67) sec-Butylbenzene	17.278	105	6770589	9.138	ppbv	100
69) p-Isopropyltoluene	17.638	119	5829748	9.273	ppbv	100
70) n-Butylbenzene	18.532	91	5764023	9.446	ppbv	100
71) 2-Chlorotoluene	15.436	91	4011363	9.415	ppbv	100
72) 4-Ethyltoluene	15.825	105	4455746	9.695	ppbv	100
73) 1,3,5-Trimethylbenzene	15.979	105	4069310	9.640	ppbv	98
74) 1,2,4-Trimethylbenzene	16.748	105	4345956	9.307	ppbv	98
75) 1,3-Dichlorobenzene	16.979	146	2631605	9.447	ppbv	100
76) 1,4-Dichlorobenzene	17.121	146	2528811	9.160	ppbv	100
77) 1,2-Dichlorobenzene	17.799	146	2522357	9.135	ppbv	99
78) Hexachloro-1,3-Butadiene	23.355	225	1843699	8.303	ppbv	99
79) Naphthalene	22.172	128	3702459	11.521	ppbv	100
80) Naphthalene,2-methyl-	24.950	142	1380636	12.623	ppbv	97
81) 1,2,4-Trichlorobenzene	21.905	180	2053729	9.812	ppbv	98

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

