

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062922\
 Data File : VL039394.D
 Acq On : 29 Jun 2022 11:46
 Operator : SY/AP
 Sample : VISTICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

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

Quant Time: Jun 29 15:29:50 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 1 2022

QLast Update : Wed Jun 01 01:22:18 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.652	49	1303677	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.156	114	3638913	10.000	ppbv	-0.03
55) Chlorobenzene-d5	12.066	117	3454108m	10.000	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.391 95 2597779 9.097 ppbv -0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 91.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.041	85	1586907	6.930	ppbv	100
3) Chlorodifluoromethane	2.980	51	1459802	8.801	ppbv	98
4) Chloromethane	3.131	50	817524	9.595	ppbv	99
5) Vinyl Chloride	3.247	62	749568	9.411	ppbv	99
6) Bromomethane	3.462	94	343959	8.778	ppbv	97
7) Chloroethane	3.546	64	289003	10.413	ppbv	97
8) Dichlorotetrafluoroethane	3.179	85	1852487	8.852	ppbv	94
9) Propene	3.002	41	647535	8.953	ppbv	100
10) Heptane	8.105	43	1696583	10.055	ppbv	98
11) Trichlorofluoromethane	3.938	101	1885878	9.098	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.472	101	1418507	10.349	ppbv	99
13) Ethanol	3.594	45	38137m	9.668	ppbv	
14) Bromoethene	3.729	108	605606	9.828	ppbv	98
15) Acetone	3.835	43	1395908	10.279	ppbv	97
16) 1,3-Butadiene	3.317	39	745366	10.210	ppbv	97
17) tert-Butyl alcohol	4.269	59	1321304	12.544	ppbv	99
18) 1,1-Dichloroethene	4.279	96	648628	10.549	ppbv	89
19) Isopropyl Alcohol	3.948	45	782593	12.287	ppbv #	95
20) Methylene Chloride	4.330	84	527860	9.224	ppbv	92
21) Allyl Chloride	4.398	41	982146	10.721	ppbv	98
22) trans-1,2-Dichloroethene	4.870	96	660347	11.161	ppbv	97
23) Vinyl Acetate	5.057	43	989958	8.811	ppbv	98
24) 1,1-Dichloroethane	4.996	63	1303371	8.466	ppbv	99
25) Ethyl Acetate	5.661	43	2986472	9.757	ppbv	99
26) Hexane	5.671	57	1275940	9.486	ppbv	96
27) Carbon Disulfide	4.536	76	1527646	10.958	ppbv	100
28) Methyl tert-Butyl Ether	5.018	73	1168979	7.872	ppbv	97
29) Chloroform	5.735	83	2037174	9.001	ppbv	99
30) Cyclohexane	7.111	84	1109235	9.817	ppbv	98
31) cis-1,2-Dichloroethene	5.533	61	1276298	9.306	ppbv	94
32) 1,1,1-Trichloroethane	6.494	97	2044834	9.233	ppbv	99
34) 2-Butanone	5.224	43	1802183	9.116	ppbv	99
35) Carbon Tetrachloride	6.999	117	2194570	8.263	ppbv	96
36) Benzene	6.873	78	2669222	9.035	ppbv	97
37) 1,2-Dichloroethane	6.288	62	1557543	8.011	ppbv	97
38) Trichloroethene	7.816	130	1422546	10.483	ppbv	95
39) 1,2-Dichloropropane	7.594	63	1001808	8.525	ppbv	98
40) 1,4-Dioxane	7.809	88	410507	10.611	ppbv	68
41) Tetrahydrofuran	6.028	42	1051825	8.846	ppbv	99
42) Bromodichloromethane	7.771	83	2197854	8.145	ppbv	99
43) Methyl Methacrylate	7.996	69	1089547	9.468	ppbv	98
44) 2,2,4-Trimethylpentane	7.851	57	4493506	8.695	ppbv	98
45) t-1,3-Dichloropropene	9.259	75	1140135	9.513	ppbv	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.681	75	1472124	9.298	ppbv	97
47) 1,1,2-Trichloroethane	9.452	97	1128697	9.207	ppbv	97
48) Dibromochloromethane	10.282	129	1982300	9.056	ppbv	99
49) Bromoform	13.015	173	1670036	9.155	ppbv	99
50) 4-Methyl-2-Pentanone	8.719	43	2809343	9.493	ppbv	100
51) 2-Hexanone	10.108	43	2228599	9.678	ppbv #	97
52) Tetrachloroethene	11.198	164	1050619	9.108	ppbv	96
53) Toluene	9.783	91	3246933	9.545	ppbv	100
54) 1,2-Dibromoethane	10.587	107	1515893	9.202	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.105	131	1445923	8.847	ppbv	95
57) Chlorobenzene	12.121	112	2489160	9.578	ppbv	93
58) Ethyl Benzene	12.687	91	4378135	9.202	ppbv	97
59) m/p-Xylene	12.973	91	7546262m	18.011	ppbv	
60) o-Xylene	13.667	91	3607840	9.164	ppbv	100
61) Styrene	13.503	104	2180386	10.342	ppbv	95
62) Isopropylbenzene	14.645	105	5315427	9.084	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.651	83	1690076	7.648	ppbv	99
64) n-propylbenzene	15.539	120	1410080	9.803	ppbv	90
65) tert-Butylbenzene	16.719	119	4872943	9.107	ppbv	96
66) Benzyl Chloride	16.963	91	618627	8.892	ppbv	99
67) sec-Butylbenzene	17.269	105	6701472	9.179	ppbv	99
69) p-Isopropyltoluene	17.625	119	5777995	9.380	ppbv	98
70) n-Butylbenzene	18.523	91	5686417	8.994	ppbv	99
71) 2-Chlorotoluene	15.426	91	3921670	8.789	ppbv	96
72) 4-Ethyltoluene	15.815	105	4328618	9.381	ppbv	99
73) 1,3,5-Trimethylbenzene	15.973	105	3963054	9.522	ppbv	97
74) 1,2,4-Trimethylbenzene	16.738	105	4299659	9.258	ppbv	92
75) 1,3-Dichlorobenzene	16.970	146	2581768	9.821	ppbv	99
76) 1,4-Dichlorobenzene	17.111	146	2485210	9.475	ppbv	99
77) 1,2-Dichlorobenzene	17.793	146	2525394	9.532	ppbv	99
78) Hexachloro-1,3-Butadiene	23.346	225	1798124	7.422	ppbv	99
79) Naphthalene	22.159	128	3556382	9.947	ppbv	99
80) Naphthalene,2-methyl-	24.944	142	1243369	9.360	ppbv	94
81) 1,2,4-Trichlorobenzene	21.889	180	2013588	8.890	ppbv #	100

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

