

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100422\
 Data File : VL039681.D
 Acq On : 4 Oct 2022 14:17
 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 :Krupa Patel 10/07/2022
 Supervised By :Mahesh Dadoda 10/07/2022

Quant Time: Oct 05 04:39:10 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Mon Sep 19 14:26:28 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.208	49	1133327	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	3019296	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	2978722m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.786 95 2132911 9.592 ppbv 0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 95.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.755	85	1167055	8.882	ppbv	96
3) Chlorodifluoromethane	2.700	51	1211956	9.011	ppbv	96
4) Chloromethane	2.838	50	752048	9.266	ppbv	99
5) Vinyl Chloride	2.944	62	660632	9.766	ppbv	100
6) Bromomethane	3.144	94	232301	9.311	ppbv	97
7) Chloroethane	3.221	64	240466	9.720	ppbv	95
8) Dichlorotetrafluoroethane	2.880	85	1422004	9.023	ppbv	97
9) Propene	2.719	41	586924	9.555	ppbv	97
10) Heptane	7.590	43	1402035	9.781	ppbv	99
11) Trichlorofluoromethane	3.584	101	1530865	9.408	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.089	101	1183185	9.627	ppbv	99
13) Ethanol	3.266	45	41826m	8.937	ppbv	
14) Bromoethene	3.388	108	468101	9.541	ppbv	95
15) Acetone	3.491	43	1140448	9.043	ppbv	99
16) 1,3-Butadiene	3.009	39	625928	9.784	ppbv	100
17) tert-Butyl alcohol	3.899	59	1172548	10.361	ppbv	99
18) 1,1-Dichloroethene	3.903	96	518940	9.597	ppbv	95
19) Isopropyl Alcohol	3.597	45	647943	10.079	ppbv #	96
20) Methylene Chloride	3.954	84	454364	7.793	ppbv	95
21) Allyl Chloride	4.018	41	849256	9.890	ppbv	99
22) trans-1,2-Dichloroethene	4.465	96	559947	10.468	ppbv	99
23) Vinyl Acetate	4.645	43	565685m	9.923	ppbv	
24) 1,1-Dichloroethane	4.584	63	1128014	9.936	ppbv	99
25) Ethyl Acetate	5.221	43	2466580	8.970	ppbv	99
26) Hexane	5.230	57	1017247	8.717	ppbv	96
27) Carbon Disulfide	4.144	76	1416841	11.553	ppbv	99
28) Methyl tert-Butyl Ether	4.607	73	987770	10.075	ppbv	99
29) Chloroform	5.288	83	1558553	9.251	ppbv	97
30) Cyclohexane	6.613	84	866588	9.589	ppbv	93
31) cis-1,2-Dichloroethene	5.095	61	860563	8.153	ppbv	98
32) 1,1,1-Trichloroethane	6.018	97	1555451	10.199	ppbv	99
34) 2-Butanone	4.806	43	1313493	8.857	ppbv	97
35) Carbon Tetrachloride	6.507	117	1685385	10.515	ppbv	97
36) Benzene	6.385	78	2198660	9.525	ppbv	97
37) 1,2-Dichloroethane	5.822	62	1176664	9.366	ppbv	99
38) Trichloroethene	7.304	130	1241889	9.955	ppbv	99
39) 1,2-Dichloropropane	7.086	63	833926	9.356	ppbv	94
40) 1,4-Dioxane	7.301	88	330366	9.077	ppbv #	1
41) Tetrahydrofuran	5.574	42	908770	9.988	ppbv	95
42) Bromodichloromethane	7.263	83	1744860	9.985	ppbv	98
43) Methyl Methacrylate	7.491	69	857965	10.196	ppbv	100
44) 2,2,4-Trimethylpentane	7.340	57	3697920	9.294	ppbv	98
45) t-1,3-Dichloropropene	8.719	75	829956	11.672	ppbv	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.153	75	1139260	11.255	ppbv	98
47) 1,1,2-Trichloroethane	8.909	97	892865	9.164	ppbv	97
48) Dibromochloromethane	9.716	129	1548650	10.556	ppbv	100
49) Bromoform	12.413	173	1290462	10.635	ppbv	98
50) 4-Methyl-2-Pentanone	8.192	43	2305644	9.894	ppbv	99
51) 2-Hexanone	9.561	43	1767517	10.246	ppbv	99
52) Tetrachloroethene	10.626	164	810997	9.209	ppbv	98
53) Toluene	9.230	91	2540507	9.895	ppbv	99
54) 1,2-Dibromoethane	10.018	107	1023608	9.821	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.516	131	1100034	9.138	ppbv	96
57) Chlorobenzene	11.536	112	1880381	8.585	ppbv	98
58) Ethyl Benzene	12.098	91	3282236	9.557	ppbv	100
59) m/p-Xylene	12.381	91	5510644m	18.029	ppbv	
60) o-Xylene	13.069	91	2614231	8.957	ppbv	98
61) Styrene	12.905	104	1580707	10.056	ppbv	98
62) Isopropylbenzene	14.040	105	3789717	8.629	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.053	83	964795	8.287	ppbv	99
64) n-propylbenzene	14.925	120	984045	8.749	ppbv	95
65) tert-Butylbenzene	16.098	119	3338852	8.605	ppbv	99
66) Benzyl Chloride	16.333	91	310115	10.038	ppbv	96
67) sec-Butylbenzene	16.645	105	4653677	8.550	ppbv	99
69) p-Isopropyltoluene	17.002	119	3901171	8.723	ppbv	99
70) n-Butylbenzene	17.896	91	3871081	8.830	ppbv	99
71) 2-Chlorotoluene	14.806	91	2766449	8.724	ppbv	100
72) 4-Ethyltoluene	15.201	105	3088811	9.270	ppbv	100
73) 1,3,5-Trimethylbenzene	15.359	105	2697091	8.846	ppbv	97
74) 1,2,4-Trimethylbenzene	16.117	105	2921748	8.549	ppbv	99
75) 1,3-Dichlorobenzene	16.339	146	1759401	8.627	ppbv	99
76) 1,4-Dichlorobenzene	16.481	146	1691757	8.293	ppbv	99
77) 1,2-Dichlorobenzene	17.146	146	1678026	8.438	ppbv	99
78) Hexachloro-1,3-Butadiene	22.638	225	1381183	9.090	ppbv	98
79) Naphthalene	21.391	128	2911292	12.907	ppbv	99
80) Naphthalene,2-methyl-	24.384	142	1091492	12.870	ppbv	96
81) 1,2,4-Trichlorobenzene	21.146	180	1623566	10.959	ppbv	99

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

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