

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111022\
 Data File : VL039885.D
 Acq On : 11 Nov 2022 11:06
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/11/2022
 Supervised By :Mahesh Dadoda 11/11/2022

Quant Time: Nov 11 11:50:02 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110222AIR.M

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

QLast Update : Thu Nov 03 09:27:12 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.205	49	960964	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.664	114	2049681	10.000	ppbv	# 0.02
55) Chlorobenzene-d5	11.471	117	1957809	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.780 95 1700836 11.607 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 116.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.754	85	1596094	9.838	ppbv	99
3) Chlorodifluoromethane	2.700	51	1196220	10.442	ppbv	94
4) Chloromethane	2.838	50	683584	9.583	ppbv	98
5) Vinyl Chloride	2.944	62	561235	9.718	ppbv	100
6) Bromomethane	3.140	94	197309	9.578	ppbv	92
7) Chloroethane	3.221	64	184886	8.543	ppbv	95
8) Dichlorotetrafluoroethane	2.880	85	1388716	10.044	ppbv	91
9) Propene	2.719	41	484798	8.122	ppbv	100
10) Heptane	7.590	43	1212913	8.482	ppbv	99
11) Trichlorofluoromethane	3.584	101	1493416	11.287	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.086	101	1007133	10.539	ppbv	97
13) Ethanol	3.266	45	28990m	6.872	ppbv	
14) Bromoethene	3.388	108	420953	9.838	ppbv	97
15) Acetone	3.488	43	1013674	8.666	ppbv	96
16) 1,3-Butadiene	3.008	39	520529	9.569	ppbv	95
17) tert-Butyl alcohol	3.896	59	879356	7.894	ppbv	98
18) 1,1-Dichloroethene	3.899	96	435570	9.941	ppbv	96
19) Isopropyl Alcohol	3.597	45	476986	8.239	ppbv	# 35
20) Methylene Chloride	3.951	84	402158	9.611	ppbv	92
21) Allyl Chloride	4.018	41	631690	8.538	ppbv	96
22) trans-1,2-Dichloroethene	4.462	96	456680	10.269	ppbv	99
23) Vinyl Acetate	4.642	43	353795	7.592	ppbv	97
24) 1,1-Dichloroethane	4.581	63	932835	9.800	ppbv	99
25) Ethyl Acetate	5.221	43	2190967	9.094	ppbv	99
26) Hexane	5.227	57	899261	8.371	ppbv	95
27) Carbon Disulfide	4.140	76	1082948	9.600	ppbv	96
28) Methyl tert-Butyl Ether	4.603	73	869892	8.946	ppbv	96
29) Chloroform	5.288	83	1511825	10.009	ppbv	97
30) Cyclohexane	6.613	84	696635	7.755	ppbv	92
31) cis-1,2-Dichloroethene	5.092	61	979040	9.995	ppbv	90
32) 1,1,1-Trichloroethane	6.015	97	1476687	9.820	ppbv	95
34) 2-Butanone	4.803	43	1005527	11.892	ppbv	98
35) Carbon Tetrachloride	6.504	117	1506179	12.607	ppbv	98
36) Benzene	6.381	78	1774230	10.262	ppbv	# 94
37) 1,2-Dichloroethane	5.819	62	1305108	15.733	ppbv	# 94
38) Trichloroethene	7.298	130	958495	10.357	ppbv	91
39) 1,2-Dichloropropane	7.085	63	747138	11.091	ppbv	91
40) 1,4-Dioxane	7.294	88	257823	9.995	ppbv	# 63
41) Tetrahydrofuran	5.571	42	749228	10.602	ppbv	99
42) Bromodichloromethane	7.256	83	1724227	13.013	ppbv	98
43) Methyl Methacrylate	7.484	69	759760	11.119	ppbv	89
44) 2,2,4-Trimethylpentane	7.336	57	3184283	10.911	ppbv	96
45) t-1,3-Dichloropropene	8.716	75	740435	11.312	ppbv	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.150	75	994524	11.131	ppbv	93
47) 1,1,2-Trichloroethane	8.905	97	733901	10.759	ppbv	95
48) Dibromochloromethane	9.712	129	1310765	11.277	ppbv	100
49) Bromoform	12.410	173	1031029	11.036	ppbv	99
50) 4-Methyl-2-Pentanone	8.192	43	2076938	11.997	ppbv	97
51) 2-Hexanone	9.561	43	1677786	12.430	ppbv #	94
52) Tetrachloroethene	10.622	164	589198	9.096	ppbv	90
53) Toluene	9.227	91	2010895	10.138	ppbv	98
54) 1,2-Dibromoethane	10.015	107	878897	11.609	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.513	131	868068	10.371	ppbv	99
57) Chlorobenzene	11.529	112	1492409	10.050	ppbv	91
58) Ethyl Benzene	12.095	91	2814258	10.631	ppbv	93
59) m/p-Xylene	12.381	91	4810082m	21.768	ppbv	
60) o-Xylene	13.066	91	2337183	11.164	ppbv	94
61) Styrene	12.902	104	1297717	10.074	ppbv #	92
62) Isopropylbenzene	14.034	105	3239540	10.608	ppbv	95
63) 1,1,2,2-Tetrachloroethane	13.050	83	837388	10.741	ppbv	99
64) n-propylbenzene	14.924	120	810216	9.918	ppbv	73
65) tert-Butylbenzene	16.098	119	2817200	10.506	ppbv	88
66) Benzyl Chloride	16.336	91	155822m	4.998	ppbv	
67) sec-Butylbenzene	16.645	105	4037763	11.062	ppbv	96
69) p-Isopropyltoluene	17.005	119	3225665	10.654	ppbv	94
70) n-Butylbenzene	17.892	91	3629442	12.400	ppbv	96
71) 2-Chlorotoluene	14.805	91	2602570	11.342	ppbv	93
72) 4-Ethyltoluene	15.198	105	2634296	11.175	ppbv	94
73) 1,3,5-Trimethylbenzene	15.358	105	2363458	11.310	ppbv	88
74) 1,2,4-Trimethylbenzene	16.114	105	2540060	11.440	ppbv	96
75) 1,3-Dichlorobenzene	16.336	146	1394854	10.759	ppbv	98
76) 1,4-Dichlorobenzene	16.474	146	1358400	10.678	ppbv	97
77) 1,2-Dichlorobenzene	17.149	146	1337338	10.943	ppbv	97
78) Hexachloro-1,3-Butadiene	22.641	225	830795	9.175	ppbv	99
79) Naphthalene	21.387	128	1720112	10.656	ppbv	99
80) Naphthalene,2-methyl-	24.384	142	568047	8.300	ppbv #	93
81) 1,2,4-Trichlorobenzene	21.149	180	930637	10.306	ppbv	99

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

