

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041923\
 Data File : VL040374.D
 Acq On : 19 Apr 2023 10:43
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/20/2023
 Supervised By : Mahesh Dadoda 04/22/2023

Quant Time: Apr 20 05:07:18 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023

QLast Update : Thu Apr 13 14:37:02 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.179	49	1179637	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.645	114	2971834	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2959280m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.773 95 2354241 9.620 ppbv -0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.709	85	1617677	7.606	ppbv	99
3) Chlorodifluoromethane	2.655	51	1437986	9.329	ppbv	100
4) Chloromethane	2.793	50	938347	9.637	ppbv	97
5) Vinyl Chloride	2.899	62	801047	9.966	ppbv	98
6) Bromomethane	3.099	94	255286	9.640	ppbv	99
7) Chloroethane	3.176	64	289255	9.504	ppbv	98
8) Dichlorotetrafluoroethane	2.835	85	1916328	9.220	ppbv	98
9) Propene	2.671	41	595960	9.786	ppbv	100
10) Heptane	7.571	43	1508154	10.897	ppbv	100
11) Trichlorofluoromethane	3.545	101	2019798	9.381	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.050	101	1512374	10.043	ppbv	100
13) Ethanol	3.224	45	37055	7.289	ppbv	85
14) Bromoethene	3.349	108	619243	10.056	ppbv	97
15) Acetone	3.449	43	1453581	8.700	ppbv	99
16) 1,3-Butadiene	2.964	39	726371	10.505	ppbv	97
17) tert-Butyl alcohol	3.857	59	1603338	10.450	ppbv	100
18) 1,1-Dichloroethene	3.864	96	691360	10.179	ppbv	99
19) Isopropyl Alcohol	3.555	45	787025	10.323	ppbv	100
20) Methylene Chloride	3.918	84	595574	8.928	ppbv	99
21) Allyl Chloride	3.980	41	999600	10.529	ppbv	99
22) trans-1,2-Dichloroethene	4.430	96	704207	10.371	ppbv	95
23) Vinyl Acetate	4.613	43	460388	10.823	ppbv #	97
24) 1,1-Dichloroethane	4.549	63	1435749	10.141	ppbv	99
25) Ethyl Acetate	5.189	43	2807201	9.985	ppbv	99
26) Hexane	5.198	57	1195620	10.088	ppbv	99
27) Carbon Disulfide	4.108	76	1722700	11.231	ppbv	100
28) Methyl tert-Butyl Ether	4.571	73	1291603	10.557	ppbv	99
29) Chloroform	5.262	83	2051137	9.715	ppbv	97
30) Cyclohexane	6.590	84	1001811	10.914	ppbv	99
31) cis-1,2-Dichloroethene	5.066	61	1084357	9.230	ppbv	100
32) 1,1,1-Trichloroethane	5.992	97	2062947	10.056	ppbv	100
34) 2-Butanone	4.771	43	1577297	9.843	ppbv	99
35) Carbon Tetrachloride	6.484	117	2108434	10.079	ppbv	99
36) Benzene	6.359	78	2532872	10.446	ppbv	99
37) 1,2-Dichloroethane	5.793	62	1614586	10.138	ppbv	99
38) Trichloroethene	7.282	130	1525525	11.055	ppbv	96
39) 1,2-Dichloropropane	7.066	63	986022	10.335	ppbv	97
40) 1,4-Dioxane	7.282	88	395599	10.827	ppbv #	96
41) Tetrahydrofuran	5.545	42	969141	11.043	ppbv	99
42) Bromodichloromethane	7.243	83	2275620	10.463	ppbv	99
43) Methyl Methacrylate	7.465	69	1014567	11.266	ppbv	98
44) 2,2,4-Trimethylpentane	7.320	57	4169841	10.296	ppbv	100
45) t-1,3-Dichloropropene	8.703	75	995346	12.373	ppbv	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	1338739	11.957	ppbv	98
47) 1,1,2-Trichloroethane	8.893	97	1067708	10.207	ppbv	99
48) Dibromochloromethane	9.706	129	1843133	10.941	ppbv	99
49) Bromoform	12.404	173	1473496	11.214	ppbv	99
50) 4-Methyl-2-Pentanone	8.172	43	2591322	10.665	ppbv	100
51) 2-Hexanone	9.545	43	2014176	11.218	ppbv #	100
52) Tetrachloroethene	10.613	164	862820	11.376	ppbv	96
53) Toluene	9.214	91	2890799	11.246	ppbv	100
54) 1,2-Dibromoethane	10.005	107	1180341	11.130	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.503	131	1318963	9.765	ppbv	100
57) Chlorobenzene	11.526	112	2243883	9.684	ppbv	98
58) Ethyl Benzene	12.082	91	3915710	10.757	ppbv	98
59) m/p-Xylene	12.368	91	6831214m	20.406	ppbv	
60) o-Xylene	13.056	91	3282230	10.216	ppbv	100
61) Styrene	12.896	104	1900584	11.809	ppbv	99
62) Isopropylbenzene	14.027	105	4567812	9.872	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.043	83	1019811	8.673	ppbv	99
64) n-propylbenzene	14.915	120	1172332	10.297	ppbv	97
65) tert-Butylbenzene	16.088	119	4015637	9.864	ppbv	99
66) Benzyl Chloride	16.326	91	261589	10.379	ppbv	98
67) sec-Butylbenzene	16.635	105	5681397	9.716	ppbv	99
69) p-Isopropyltoluene	16.995	119	4558756	9.985	ppbv	99
70) n-Butylbenzene	17.886	91	4961368	9.802	ppbv	100
71) 2-Chlorotoluene	14.799	91	3588831	10.103	ppbv	100
72) 4-Ethyltoluene	15.188	105	3733531	10.526	ppbv	100
73) 1,3,5-Trimethylbenzene	15.352	105	3312235	10.109	ppbv	99
74) 1,2,4-Trimethylbenzene	16.108	105	3646350	9.737	ppbv	95
75) 1,3-Dichlorobenzene	16.333	146	2024527	9.870	ppbv	99
76) 1,4-Dichlorobenzene	16.471	146	1978195	9.761	ppbv	100
77) 1,2-Dichlorobenzene	17.140	146	1912582	9.430	ppbv	99
78) Hexachloro-1,3-Butadiene	22.632	225	1454756	8.947	ppbv	100
79) Naphthalene	21.381	128	3042694	12.037	ppbv	99
80) Naphthalene,2-methyl-	24.374	142	1053509	14.001	ppbv	99
81) 1,2,4-Trichlorobenzene	21.143	180	1590535	10.239	ppbv	100

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

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