

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051623\
 Data File : VL040453.D
 Acq On : 17 May 2023 1:17
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/17/2023
 Supervised By : Mahesh Dadoda 05/17/2023

Quant Time: May 17 05:19:59 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051623AIR.M

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

QLast Update : Wed May 17 05:12:40 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.211	49	1050296	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.677	114	2658641	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.497	117	2581687	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.806 95 2014944 9.706 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.739	85	2153813	10.439	ppbv	100
3) Chlorodifluoromethane	2.681	51	1307645	9.640	ppbv	100
4) Chloromethane	2.822	50	833825	9.897	ppbv	98
5) Vinyl Chloride	2.928	62	706879	9.453	ppbv	100
6) Bromomethane	3.131	94	223212	9.819	ppbv	98
7) Chloroethane	3.208	64	270556	10.239	ppbv	100
8) Dichlorotetrafluoroethane	2.864	85	1763741	9.514	ppbv	97
9) Propene	2.700	41	539270	10.220	ppbv	99
10) Heptane	7.603	43	1320772	10.831	ppbv	100
11) Trichlorofluoromethane	3.575	101	1790763	9.612	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.079	101	1291780	9.456	ppbv	100
13) Ethanol	3.253	45	37324m	9.333	ppbv	
14) Bromoethene	3.378	108	552740	10.150	ppbv	97
15) Acetone	3.478	43	1248261	9.394	ppbv	99
16) 1,3-Butadiene	2.993	39	623129	10.217	ppbv	100
17) tert-Butyl alcohol	3.890	59	1292429	9.711	ppbv	100
18) 1,1-Dichloroethene	3.893	96	590097	9.800	ppbv	97
19) Isopropyl Alcohol	3.587	45	617758	9.545	ppbv	99
20) Methylene Chloride	3.948	84	496126	8.382	ppbv	97
21) Allyl Chloride	4.012	41	853427	10.046	ppbv	99
22) trans-1,2-Dichloroethene	4.462	96	602077	10.011	ppbv	99
23) Vinyl Acetate	4.642	43	372425m	10.142	ppbv	
24) 1,1-Dichloroethane	4.578	63	1230803	9.795	ppbv	99
25) Ethyl Acetate	5.221	43	2501872	9.998	ppbv	100
26) Hexane	5.230	57	1044420	10.069	ppbv	100
27) Carbon Disulfide	4.137	76	1450089	10.636	ppbv	99
28) Methyl tert-Butyl Ether	4.603	73	1103396	10.013	ppbv	100
29) Chloroform	5.295	83	1820945	9.628	ppbv	98
30) Cyclohexane	6.623	84	888801	10.533	ppbv	98
31) cis-1,2-Dichloroethene	5.099	61	1107379	10.779	ppbv	99
32) 1,1,1-Trichloroethane	6.025	97	1846167	9.395	ppbv	99
34) 2-Butanone	4.803	43	1463351	10.339	ppbv	98
35) Carbon Tetrachloride	6.517	117	1869688	9.798	ppbv	98
36) Benzene	6.391	78	2235419	10.353	ppbv	99
37) 1,2-Dichloroethane	5.828	62	1425332	10.102	ppbv	99
38) Trichloroethene	7.317	130	1355477	10.189	ppbv	99
39) 1,2-Dichloropropane	7.099	63	852520	10.079	ppbv	96
40) 1,4-Dioxane	7.314	88	331551	10.305	ppbv #	1
41) Tetrahydrofuran	5.574	42	851539	10.842	ppbv	99
42) Bromodichloromethane	7.275	83	2001456	10.480	ppbv	98
43) Methyl Methacrylate	7.497	69	894197	11.194	ppbv	99
44) 2,2,4-Trimethylpentane	7.353	57	3686457	10.317	ppbv	99
45) t-1,3-Dichloropropene	8.735	75	867098	12.391	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.169	75	1161530	11.746	ppbv	98
47) 1,1,2-Trichloroethane	8.925	97	951159	10.303	ppbv	98
48) Dibromochloromethane	9.738	129	1609844	10.917	ppbv	99
49) Bromoform	12.436	173	1289472	11.084	ppbv	100
50) 4-Methyl-2-Pentanone	8.208	43	2317635	10.600	ppbv	100
51) 2-Hexanone	9.578	43	1794813	11.144	ppbv #	100
52) Tetrachloroethene	10.645	164	754762	10.293	ppbv	97
53) Toluene	9.250	91	2552778	11.193	ppbv	100
54) 1,2-Dibromoethane	10.037	107	1025635	11.117	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.539	131	1151671	9.632	ppbv	98
57) Chlorobenzene	11.555	112	1967576	9.466	ppbv	99
58) Ethyl Benzene	12.118	91	3483160	10.661	ppbv	98
59) m/p-Xylene	12.401	91	6068512m	20.364	ppbv	
60) o-Xylene	13.085	91	2915028	10.278	ppbv	99
61) Styrene	12.928	104	1685517	11.733	ppbv	99
62) Isopropylbenzene	14.060	105	4084381	9.853	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.076	83	885975	8.660	ppbv	100
64) n-propylbenzene	14.947	120	1046914	10.236	ppbv	100
65) tert-Butylbenzene	16.121	119	3568122	9.814	ppbv	100
66) Benzyl Chloride	16.359	91	221584	10.272	ppbv	99
67) sec-Butylbenzene	16.664	105	5096493	9.734	ppbv	99
69) p-Isopropyltoluene	17.024	119	4086552	9.936	ppbv	100
70) n-Butylbenzene	17.915	91	4469154	9.750	ppbv	100
71) 2-Chlorotoluene	14.831	91	3181379	10.087	ppbv	100
72) 4-Ethyltoluene	15.220	105	3368446	10.474	ppbv	99
73) 1,3,5-Trimethylbenzene	15.381	105	2974746	10.076	ppbv	98
74) 1,2,4-Trimethylbenzene	16.140	105	3258781	9.594	ppbv	96
75) 1,3-Dichlorobenzene	16.362	146	1798170	9.622	ppbv	99
76) 1,4-Dichlorobenzene	16.500	146	1757044	9.721	ppbv	99
77) 1,2-Dichlorobenzene	17.172	146	1728535	9.547	ppbv	99
78) Hexachloro-1,3-Butadiene	22.667	225	1192012	8.799	ppbv	99
79) Naphthalene	21.416	128	2465927	12.008	ppbv	99
80) Naphthalene,2-methyl-	24.397	142	776418	13.204	ppbv	98
81) 1,2,4-Trichlorobenzene	21.172	180	1299078	10.219	ppbv	100

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

