

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041223\
 Data File : VL040352.D
 Acq On : 13 Apr 2023 1:21
 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 04/13/2023
 Supervised By : Mahesh Dadoda 04/13/2023

Quant Time: Apr 13 08:16:55 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M

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

QLast Update : Tue Apr 11 04:15:53 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1012093	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2533719	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2509859	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.790 95 2035078 9.683 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.716	85	1386774	6.984	ppbv	96
3) Chlorodifluoromethane	2.661	51	1194793	9.388	ppbv	99
4) Chloromethane	2.800	50	764767	9.732	ppbv	98
5) Vinyl Chloride	2.909	62	662499	10.411	ppbv	95
6) Bromomethane	3.108	94	215667	9.774	ppbv	100
7) Chloroethane	3.189	64	247117	10.116	ppbv	99
8) Dichlorotetrafluoroethane	2.845	85	1615746	9.506	ppbv	99
9) Propene	2.684	41	479598	9.837	ppbv	99
10) Heptane	7.584	43	1195459	10.194	ppbv	99
11) Trichlorofluoromethane	3.555	101	1667410	9.268	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.060	101	1162811	8.606	ppbv	96
13) Ethanol	3.240	45	29351m	8.208	ppbv	
14) Bromoethene	3.356	108	514338	10.205	ppbv	98
15) Acetone	3.459	43	1105300	8.970	ppbv	97
16) 1,3-Butadiene	2.973	39	576385	10.291	ppbv	100
17) tert-Butyl alcohol	3.870	59	1190517	10.166	ppbv	99
18) 1,1-Dichloroethene	3.873	96	538777	9.295	ppbv	95
19) Isopropyl Alcohol	3.565	45	553479	9.377	ppbv #	98
20) Methylene Chloride	3.925	84	440989	8.507	ppbv	97
21) Allyl Chloride	3.989	41	773682	9.694	ppbv	98
22) trans-1,2-Dichloroethene	4.439	96	524538	8.891	ppbv	96
23) Vinyl Acetate	4.623	43	338075	9.862	ppbv #	95
24) 1,1-Dichloroethane	4.558	63	1116065	9.128	ppbv	97
25) Ethyl Acetate	5.201	43	2242039	9.719	ppbv	99
26) Hexane	5.211	57	960821	10.147	ppbv	96
27) Carbon Disulfide	4.118	76	1315588	9.947	ppbv	99
28) Methyl tert-Butyl Ether	4.581	73	1004817	9.242	ppbv	100
29) Chloroform	5.272	83	1650035	9.868	ppbv	100
30) Cyclohexane	6.603	84	812197	10.885	ppbv	98
31) cis-1,2-Dichloroethene	5.076	61	994732	10.787	ppbv	98
32) 1,1,1-Trichloroethane	6.005	97	1670178	10.426	ppbv	99
34) 2-Butanone	4.783	43	1293279	10.342	ppbv	100
35) Carbon Tetrachloride	6.497	117	1694312	10.656	ppbv	99
36) Benzene	6.372	78	1994604	10.330	ppbv	99
37) 1,2-Dichloroethane	5.806	62	1274410	10.140	ppbv	100
38) Trichloroethene	7.295	130	1190788	11.285	ppbv	98
39) 1,2-Dichloropropane	7.076	63	768359	10.143	ppbv	97
40) 1,4-Dioxane	7.291	88	239447	7.989	ppbv #	1
41) Tetrahydrofuran	5.555	42	751793	10.417	ppbv	99
42) Bromodichloromethane	7.256	83	1785794	10.398	ppbv	97
43) Methyl Methacrylate	7.481	69	788512	10.989	ppbv	98
44) 2,2,4-Trimethylpentane	7.330	57	3323242	10.323	ppbv	100
45) t-1,3-Dichloropropene	8.719	75	753102	12.039	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	1034343	11.644	ppbv	99
47) 1,1,2-Trichloroethane	8.905	97	818915	10.131	ppbv	98
48) Dibromochloromethane	9.719	129	1365494	10.266	ppbv	99
49) Bromoform	12.420	173	1014659	10.157	ppbv	99
50) 4-Methyl-2-Pentanone	8.185	43	1974917	10.206	ppbv	99
51) 2-Hexanone	9.558	43	1443908	9.632	ppbv	100
52) Tetrachloroethene	10.629	164	644913	11.040	ppbv	98
53) Toluene	9.230	91	2232901	11.035	ppbv	99
54) 1,2-Dibromoethane	10.018	107	886205	10.651	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.520	131	978787	9.270	ppbv	98
57) Chlorobenzene	11.536	112	1641331	9.193	ppbv	98
58) Ethyl Benzene	12.098	91	2974329	10.408	ppbv	99
59) m/p-Xylene	12.388	91	5120426m	19.558	ppbv	
60) o-Xylene	13.073	91	2460006	9.829	ppbv	99
61) Styrene	12.912	104	1382051	10.882	ppbv	99
62) Isopropylbenzene	14.044	105	3450763	9.682	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.060	83	766236	8.701	ppbv	99
64) n-propylbenzene	14.931	120	870286	9.979	ppbv	99
65) tert-Butylbenzene	16.105	119	3023587	9.845	ppbv	98
66) Benzyl Chloride	16.342	91	200592	10.050	ppbv	98
67) sec-Butylbenzene	16.651	105	4404771	10.028	ppbv	99
69) p-Isopropyltoluene	17.011	119	3589653	10.494	ppbv	100
70) n-Butylbenzene	17.902	91	4019945	10.667	ppbv	100
71) 2-Chlorotoluene	14.818	91	2641067	9.736	ppbv	99
72) 4-Ethyltoluene	15.207	105	2837795	10.371	ppbv	99
73) 1,3,5-Trimethylbenzene	15.365	105	2524005	10.184	ppbv	97
74) 1,2,4-Trimethylbenzene	16.121	105	2829351	10.010	ppbv	94
75) 1,3-Dichlorobenzene	16.346	146	1558084	10.178	ppbv	100
76) 1,4-Dichlorobenzene	16.490	146	1541349	10.556	ppbv	99
77) 1,2-Dichlorobenzene	17.159	146	1543529	10.490	ppbv	99
78) Hexachloro-1,3-Butadiene	22.654	225	1082537	10.031	ppbv	99
79) Naphthalene	21.400	128	2198191	13.146	ppbv	98
80) Naphthalene,2-methyl-	24.384	142	320115	7.559	ppbv	98
81) 1,2,4-Trichlorobenzene	21.156	180	1179985	11.457	ppbv	100

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

