

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022123\
 Data File : VL040192.D
 Acq On : 21 Feb 2023 12:09
 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 02/22/2023
 Supervised By : Mahesh Dadoda 02/23/2023

Quant Time: Feb 22 03:17:48 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M

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

QLast Update : Wed Feb 22 03:17:31 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.205	49	923466	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	2482522	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.494	117	2347068m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.806 95 1729802 8.963 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 89.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.729	85	1696722	9.858	ppbv	100
3) Chlorodifluoromethane	2.674	51	1081334	9.802	ppbv	98
4) Chloromethane	2.813	50	713917	10.303	ppbv	95
5) Vinyl Chloride	2.922	62	608268	10.924	ppbv	98
6) Bromomethane	3.124	94	185591	9.234	ppbv	94
7) Chloroethane	3.198	64	227311	10.294	ppbv	99
8) Dichlorotetrafluoroethane	2.858	85	1430991	9.649	ppbv	98
9) Propene	2.694	41	502400	11.173	ppbv	99
10) Heptane	7.603	43	1229618	11.489	ppbv	99
11) Trichlorofluoromethane	3.568	101	1388089	8.989	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.073	101	1063832	9.338	ppbv	98
13) Ethanol	3.250	45	29825m	7.205	ppbv	
14) Bromoethene	3.369	108	442829	10.136	ppbv	98
15) Acetone	3.472	43	1014822	9.128	ppbv	100
16) 1,3-Butadiene	2.986	39	553261	10.897	ppbv	98
17) tert-Butyl alcohol	3.886	59	1104058	10.889	ppbv	99
18) 1,1-Dichloroethene	3.886	96	466816	9.430	ppbv	94
19) Isopropyl Alcohol	3.581	45	501354	9.486	ppbv	98
20) Methylene Chloride	3.938	84	415939	7.187	ppbv	93
21) Allyl Chloride	4.002	41	768036	11.263	ppbv	97
22) trans-1,2-Dichloroethene	4.456	96	498214	9.720	ppbv	97
23) Vinyl Acetate	4.639	43	361605	10.717	ppbv #	98
24) 1,1-Dichloroethane	4.574	63	1047639	9.933	ppbv	99
25) Ethyl Acetate	5.218	43	2209836	10.692	ppbv	100
26) Hexane	5.224	57	937151	10.562	ppbv	99
27) Carbon Disulfide	4.131	76	1275298	11.327	ppbv	98
28) Methyl tert-Butyl Ether	4.597	73	1007171	10.594	ppbv	100
29) Chloroform	5.288	83	1471556	9.659	ppbv	99
30) Cyclohexane	6.623	84	833162	11.959	ppbv	97
31) cis-1,2-Dichloroethene	5.092	61	923942	10.960	ppbv	97
32) 1,1,1-Trichloroethane	6.021	97	1452340	10.146	ppbv	99
34) 2-Butanone	4.796	43	1177267	9.614	ppbv	99
35) Carbon Tetrachloride	6.513	117	1500876	10.227	ppbv	99
36) Benzene	6.388	78	2069203	10.710	ppbv	100
37) 1,2-Dichloroethane	5.822	62	1113846	9.218	ppbv	98
38) Trichloroethene	7.314	130	1164654	10.940	ppbv	98
39) 1,2-Dichloropropane	7.095	63	789990	10.511	ppbv	97
40) 1,4-Dioxane	7.308	88	275088	9.150	ppbv	72
41) Tetrahydrofuran	5.571	42	810241	11.417	ppbv	100
42) Bromodichloromethane	7.269	83	1654168	9.919	ppbv	99
43) Methyl Methacrylate	7.494	69	818955	11.456	ppbv	98
44) 2,2,4-Trimethylpentane	7.346	57	3379467	10.479	ppbv	98
45) t-1,3-Dichloropropene	8.735	75	765550	12.073	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.163	75	1034631	11.712	ppbv	97
47) 1,1,2-Trichloroethane	8.925	97	822152	10.114	ppbv	98
48) Dibromochloromethane	9.735	129	1375112	10.576	ppbv	99
49) Bromoform	12.436	173	1110401	10.942	ppbv	100
50) 4-Methyl-2-Pentanone	8.201	43	2061951	10.844	ppbv	99
51) 2-Hexanone	9.574	43	1604095	10.969	ppbv #	98
52) Tetrachloroethene	10.642	164	695593	11.530	ppbv	93
53) Toluene	9.246	91	2346701	11.341	ppbv	100
54) 1,2-Dibromoethane	10.034	107	918330	10.858	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.539	131	978387	9.931	ppbv	98
57) Chlorobenzene	11.555	112	1748075	10.194	ppbv	98
58) Ethyl Benzene	12.118	91	3117117	10.931	ppbv	100
59) m/p-Xylene	12.397	91	5199365m	20.585	ppbv	
60) o-Xylene	13.085	91	2480062	10.205	ppbv	97
61) Styrene	12.928	104	1499968	11.756	ppbv	99
62) Isopropylbenzene	14.060	105	3556438	10.195	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.076	83	823575	9.404	ppbv	100
64) n-propylbenzene	14.950	120	924314m	10.705	ppbv	
65) tert-Butylbenzene	16.121	119	3076682	10.146	ppbv	96
66) Benzyl Chloride	16.359	91	204320	10.125	ppbv	99
67) sec-Butylbenzene	16.667	105	4342678	9.986	ppbv	100
69) p-Isopropyltoluene	17.024	119	3543474	10.278	ppbv	98
70) n-Butylbenzene	17.918	91	3686881	9.853	ppbv	99
71) 2-Chlorotoluene	14.831	91	2687176	10.072	ppbv	99
72) 4-Ethyltoluene	15.220	105	2889843	10.756	ppbv	98
73) 1,3,5-Trimethylbenzene	15.381	105	2529823	10.120	ppbv	98
74) 1,2,4-Trimethylbenzene	16.137	105	2686413	9.783	ppbv	98
75) 1,3-Dichlorobenzene	16.362	146	1519220	10.110	ppbv	99
76) 1,4-Dichlorobenzene	16.503	146	1464022	9.942	ppbv	99
77) 1,2-Dichlorobenzene	17.178	146	1452665	9.732	ppbv	99
78) Hexachloro-1,3-Butadiene	22.667	225	934233	9.110	ppbv	99
79) Naphthalene	21.419	128	1866656	12.100	ppbv	97
80) Naphthalene,2-methyl-	24.400	142	518696	11.824	ppbv	96
81) 1,2,4-Trichlorobenzene	21.175	180	1006439	10.426	ppbv	99

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

