

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121322\
 Data File : VL040005.D
 Acq On : 13 Dec 2022 14:10
 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 12/14/2022
 Supervised By : Mahesh Dadoda 12/14/2022

Quant Time: Dec 14 02:35:29 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 12 2022

QLast Update : Fri Dec 02 23:21:36 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1046949	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.636	114	3202052	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.452	117	2916202m	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.764 95 2230374 10.013 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.713	85	1607564	10.721	ppbv	95
3) Chlorodifluoromethane	2.658	51	1278804	8.852	ppbv	98
4) Chloromethane	2.793	50	814307	8.821	ppbv	96
5) Vinyl Chloride	2.903	62	710702	9.852	ppbv	99
6) Bromomethane	3.102	94	244578	9.939	ppbv	99
7) Chloroethane	3.179	64	262786	9.216	ppbv	99
8) Dichlorotetrafluoroethane	2.838	85	1671632	9.764	ppbv	99
9) Propene	2.678	41	583625	8.576	ppbv	99
10) Heptane	7.562	43	1431602	8.718	ppbv	97
11) Trichlorofluoromethane	3.546	101	1729502	9.456	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.047	101	1302222	9.408	ppbv	97
13) Ethanol	3.231	45	33192m	6.388	ppbv	
14) Bromoethene	3.346	108	516679	9.572	ppbv	98
15) Acetone	3.449	43	1197950	8.627	ppbv	99
16) 1,3-Butadiene	2.967	39	634479	9.168	ppbv	97
17) tert-Butyl alcohol	3.858	59	1350276	8.457	ppbv	99
18) 1,1-Dichloroethene	3.861	96	592663	9.386	ppbv	99
19) Isopropyl Alcohol	3.559	45	619572	8.240	ppbv #	32
20) Methylene Chloride	3.915	84	499598	7.426	ppbv	97
21) Allyl Chloride	3.977	41	868261	9.014	ppbv	99
22) trans-1,2-Dichloroethene	4.427	96	633765	9.870	ppbv	97
23) Vinyl Acetate	4.607	43	482419	8.456	ppbv	98
24) 1,1-Dichloroethane	4.546	63	1260645	9.165	ppbv	99
25) Ethyl Acetate	5.185	43	2360643	9.259	ppbv	99
26) Hexane	5.195	57	1039287	9.331	ppbv	97
27) Carbon Disulfide	4.105	76	1385224	9.851	ppbv	99
28) Methyl tert-Butyl Ether	4.568	73	1233515	8.845	ppbv	100
29) Chloroform	5.256	83	1729524	11.685	ppbv	98
30) Cyclohexane	6.587	84	976639	8.935	ppbv	96
31) cis-1,2-Dichloroethene	5.057	61	963102	9.359	ppbv	99
32) 1,1,1-Trichloroethane	5.986	97	1785715	9.660	ppbv	99
34) 2-Butanone	4.767	43	1374531	8.971	ppbv	97
35) Carbon Tetrachloride	6.475	117	1823664	10.029	ppbv	97
36) Benzene	6.353	78	2448131	8.995	ppbv	97
37) 1,2-Dichloroethane	5.790	62	1359606	9.116	ppbv	100
38) Trichloroethene	7.275	130	1390959	9.142	ppbv	99
39) 1,2-Dichloropropane	7.057	63	929312	8.764	ppbv	100
40) 1,4-Dioxane	7.269	88	351225	8.314	ppbv #	1
41) Tetrahydrofuran	5.539	42	915571	8.656	ppbv	97
42) Bromodichloromethane	7.234	83	1964979	9.714	ppbv	99
43) Methyl Methacrylate	7.459	69	972811	9.116	ppbv	97
44) 2,2,4-Trimethylpentane	7.311	57	3938778	8.669	ppbv	99
45) t-1,3-Dichloropropene	8.697	75	901121	9.140	ppbv	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.124	75	1219170	8.927	ppbv	100
47) 1,1,2-Trichloroethane	8.883	97	983203	9.022	ppbv	98
48) Dibromochloromethane	9.700	129	1624695	10.178	ppbv	99
49) Bromoform	12.397	173	1259270	9.746	ppbv	100
50) 4-Methyl-2-Pentanone	8.166	43	2386668	8.698	ppbv	100
51) 2-Hexanone	9.539	43	1855582	8.711	ppbv #	100
52) Tetrachloroethene	10.600	164	836165	8.212	ppbv	95
53) Toluene	9.208	91	2802038	9.037	ppbv	98
54) 1,2-Dibromoethane	9.996	107	1142092	9.820	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.494	131	1168092	9.799	ppbv	95
57) Chlorobenzene	11.513	112	2092298	9.384	ppbv	99
58) Ethyl Benzene	12.076	91	3674985	9.289	ppbv	100
59) m/p-Xylene	12.359	91	6094303m	18.405	ppbv	
60) o-Xylene	13.047	91	2934277	9.292	ppbv	99
61) Styrene	12.883	104	1777930	9.432	ppbv	99
62) Isopropylbenzene	14.018	105	4180414	9.180	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.034	83	1000508	9.489	ppbv	100
64) n-propylbenzene	14.905	120	1085720	9.114	ppbv	91
65) tert-Butylbenzene	16.076	119	3576016	8.977	ppbv	100
66) Benzyl Chloride	16.314	91	239459m	7.014	ppbv	
67) sec-Butylbenzene	16.622	105	4944854	9.028	ppbv	98
69) p-Isopropyltoluene	16.982	119	4026221	8.923	ppbv	98
70) n-Butylbenzene	17.876	91	4060769	9.078	ppbv	98
71) 2-Chlorotoluene	14.790	91	3126293	9.058	ppbv	99
72) 4-Ethyltoluene	15.182	105	3327152	9.374	ppbv	99
73) 1,3,5-Trimethylbenzene	15.339	105	2933949	9.029	ppbv	98
74) 1,2,4-Trimethylbenzene	16.098	105	3096988	9.003	ppbv	100
75) 1,3-Dichlorobenzene	16.317	146	1712523	8.848	ppbv	99
76) 1,4-Dichlorobenzene	16.462	146	1688327	8.799	ppbv	99
77) 1,2-Dichlorobenzene	17.130	146	1629872	8.735	ppbv	99
78) Hexachloro-1,3-Butadiene	22.619	225	928886m	7.174	ppbv	
79) Naphthalene	21.368	128	1831314	8.895	ppbv	99
80) Naphthalene,2-methyl-	24.365	142	463266	8.000	ppbv	93
81) 1,2,4-Trichlorobenzene	21.130	180	1024691	8.059	ppbv	100

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

