

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102523\
 Data File : VL040807.D
 Acq On : 25 Oct 2023 19:29
 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 10/26/2023
 Supervised By : Mahesh Dadoda 10/26/2023

Quant Time: Oct 26 03:54:29 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M

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

QLast Update : Thu Oct 12 00:21:08 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.188	49	930449	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.645	114	2409583	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.445	117	2421917m	10.000	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.754 95 1870369 10.495 ppbv -0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.745	85	1916997	11.699	ppbv	98
3) Chlorodifluoromethane	2.690	51	1520169	11.117	ppbv	98
4) Chloromethane	2.828	50	548994	10.167	ppbv	99
5) Vinyl Chloride	2.934	62	569030	10.199	ppbv	100
6) Bromomethane	3.131	94	236684	10.254	ppbv	99
7) Chloroethane	3.208	64	193619	10.660	ppbv	94
8) Dichlorotetrafluoroethane	2.870	85	1386534	11.163	ppbv	100
9) Propene	2.709	41	522326	10.284	ppbv	98
10) Heptane	7.568	43	1282122	10.049	ppbv	100
11) Trichlorofluoromethane	3.571	101	1469322	11.619	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.069	101	978314	10.847	ppbv	99
13) Ethanol	3.250	45	90440	7.888	ppbv	91
14) Bromoethene	3.375	108	436338	11.296	ppbv	97
15) Acetone	3.475	43	1001685	10.414	ppbv	99
16) 1,3-Butadiene	2.999	39	555421	11.007	ppbv	99
17) tert-Butyl alcohol	3.883	59	924859	9.377	ppbv	99
18) 1,1-Dichloroethene	3.883	96	441782	10.928	ppbv	99
19) Isopropyl Alcohol	3.581	45	662416	10.698	ppbv #	40
20) Methylene Chloride	3.938	84	352864	8.807	ppbv	96
21) Allyl Chloride	3.999	41	639161	10.075	ppbv	94
22) trans-1,2-Dichloroethene	4.446	96	452778	10.523	ppbv	99
23) Vinyl Acetate	4.626	43	1138987	9.291	ppbv	98
24) 1,1-Dichloroethane	4.565	63	934933	10.112	ppbv	99
25) Ethyl Acetate	5.201	43	2200702	10.442	ppbv	98
26) Hexane	5.211	57	934336	9.700	ppbv	95
27) Carbon Disulfide	4.127	76	1112995	10.472	ppbv	98
28) Methyl tert-Butyl Ether	4.587	73	667245	8.908	ppbv	100
29) Chloroform	5.272	83	1588872	11.400	ppbv	99
30) Cyclohexane	6.590	84	815577	9.950	ppbv	97
31) cis-1,2-Dichloroethene	5.076	61	979291	11.032	ppbv	99
32) 1,1,1-Trichloroethane	5.995	97	1578386	10.640	ppbv	99
34) 2-Butanone	4.783	43	1271756	11.660	ppbv	98
35) Carbon Tetrachloride	6.484	117	1683560	12.448	ppbv	95
36) Benzene	6.362	78	2042215	11.019	ppbv	99
37) 1,2-Dichloroethane	5.799	62	1203222	12.676	ppbv	98
38) Trichloroethene	7.278	130	793895	9.679	ppbv	98
39) 1,2-Dichloropropane	7.063	63	794482	10.972	ppbv #	90
40) 1,4-Dioxane	7.275	88	320877	11.710	ppbv #	99
41) Tetrahydrofuran	5.555	42	831159	11.004	ppbv	99
42) Bromodichloromethane	7.240	83	1775704	12.488	ppbv	100
43) Methyl Methacrylate	7.462	69	856580	11.546	ppbv	99
44) 2,2,4-Trimethylpentane	7.317	57	3354066	10.701	ppbv	98
45) t-1,3-Dichloropropene	8.696	75	609005	10.294	ppbv	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.127	75	730091	10.101	ppbv	97
47) 1,1,2-Trichloroethane	8.883	97	857300	11.271	ppbv	99
48) Dibromochloromethane	9.693	129	1518977	11.917	ppbv	100
49) Bromoform	12.387	173	1224496	11.818	ppbv	100
50) 4-Methyl-2-Pentanone	8.169	43	2162669	11.591	ppbv	98
51) 2-Hexanone	9.532	43	1638882	11.541	ppbv #	98
52) Tetrachloroethene	10.597	164	716911	9.523	ppbv	95
53) Toluene	9.208	91	2360702	10.702	ppbv	99
54) 1,2-Dibromoethane	9.992	107	1234715	11.580	ppbv	93
56) 1,1,1,2-Tetrachloroethane	11.490	131	1086008	10.987	ppbv	99
57) Chlorobenzene	11.507	112	1814129	10.454	ppbv	99
58) Ethyl Benzene	12.069	91	3229863	10.592	ppbv	95
59) m/p-Xylene	12.352	91	5440832m	21.679	ppbv	
60) o-Xylene	13.040	91	2568886	10.742	ppbv	97
61) Styrene	12.876	104	1390969	10.498	ppbv	97
62) Isopropylbenzene	14.008	105	3783674	10.285	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.027	83	1842751	10.278	ppbv	100
64) n-propylbenzene	14.892	120	991928	10.037	ppbv	82
65) tert-Butylbenzene	16.066	119	3324286	10.019	ppbv	95
66) Benzyl Chloride	16.301	91	200650m	6.002	ppbv	
67) sec-Butylbenzene	16.612	105	4677265	10.296	ppbv	97
69) p-Isopropyltoluene	16.973	119	3839645	10.086	ppbv	97
70) n-Butylbenzene	17.863	91	4110959	10.998	ppbv	97
71) 2-Chlorotoluene	14.780	91	2998469	10.850	ppbv	96
72) 4-Ethyltoluene	15.172	105	3041257	10.860	ppbv	97
73) 1,3,5-Trimethylbenzene	15.329	105	2617289	10.616	ppbv	96
74) 1,2,4-Trimethylbenzene	16.088	105	2823715	10.482	ppbv	98
75) 1,3-Dichlorobenzene	16.307	146	1679604	10.025	ppbv	98
76) 1,4-Dichlorobenzene	16.452	146	1651036	9.951	ppbv	97
77) 1,2-Dichlorobenzene	17.120	146	1611814	9.805	ppbv	98
78) Hexachloro-1,3-Butadiene	22.606	225	991818	8.432	ppbv	100
79) Naphthalene	21.355	128	2433490	11.113	ppbv	99
80) Naphthalene,2-methyl-	24.355	142	642686	10.459	ppbv #	93
81) 1,2,4-Trichlorobenzene	21.114	180	1239310	10.425	ppbv	98

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

