

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111523\
 Data File : VL040886.D
 Acq On : 16 Nov 2023 8:12
 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 11/20/2023
 Supervised By : Mahesh Dadoda 11/21/2023

Quant Time: Nov 16 08:45:03 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M

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

QLast Update : Mon Nov 13 15:42:46 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.201	49	972811	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	6.655	114	2350988	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.449	117	2377968m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.757 95 1833309 9.847 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.774	85	1902116	9.645	ppbv	100
3) Chlorodifluoromethane	2.719	51	1542075	9.928	ppbv	99
4) Chloromethane	2.854	50	561561	10.054	ppbv	99
5) Vinyl Chloride	2.960	62	585814m	10.546	ppbv	
6) Bromomethane	3.156	94	221801	10.460	ppbv	94
7) Chloroethane	3.230	64	195051	10.141	ppbv #	88
8) Dichlorotetrafluoroethane	2.899	85	1433387	10.066	ppbv	98
9) Propene	2.738	41	511907	9.780	ppbv	99
10) Heptane	7.574	43	1267800	9.845	ppbv	99
11) Trichlorofluoromethane	3.591	101	1555499	10.265	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.089	101	1088123	10.108	ppbv	98
13) Ethanol	3.275	45	83632	8.228	ppbv #	100
14) Bromoethene	3.398	108	439693	10.155	ppbv	97
15) Acetone	3.497	43	1048089	10.116	ppbv	97
16) 1,3-Butadiene	3.021	39	562393	10.729	ppbv	99
17) tert-Butyl alcohol	3.902	59	864892	9.762	ppbv	98
18) 1,1-Dichloroethene	3.906	96	473770	9.874	ppbv	95
19) Isopropyl Alcohol	3.603	45	625990	10.040	ppbv	100
20) Methylene Chloride	3.957	84	389925	9.119	ppbv	97
21) Allyl Chloride	4.018	41	698309	10.532	ppbv	99
22) trans-1,2-Dichloroethene	4.465	96	501498	9.210	ppbv	98
23) Vinyl Acetate	4.642	43	1213910	9.073	ppbv	99
24) 1,1-Dichloroethane	4.581	63	1048777	8.795	ppbv	99
25) Ethyl Acetate	5.211	43	2147475	10.010	ppbv	100
26) Hexane	5.224	57	926930	9.763	ppbv	98
27) Carbon Disulfide	4.147	76	1240861	10.306	ppbv	99
28) Methyl tert-Butyl Ether	4.603	73	744221	8.667	ppbv	99
29) Chloroform	5.285	83	1566510	9.735	ppbv	98
30) Cyclohexane	6.600	84	763570	9.348	ppbv	96
31) cis-1,2-Dichloroethene	5.089	61	954638	10.161	ppbv	99
32) 1,1,1-Trichloroethane	6.008	97	1572116	10.471	ppbv	100
34) 2-Butanone	4.799	43	1257299	10.498	ppbv	99
35) Carbon Tetrachloride	6.494	117	1668408	11.567	ppbv	99
36) Benzene	6.372	78	1953038	10.236	ppbv	98
37) 1,2-Dichloroethane	5.812	62	1237897	11.000	ppbv	99
38) Trichloroethene	7.288	130	730592	9.851	ppbv	96
39) 1,2-Dichloropropane	7.069	63	776052	10.258	ppbv	95
40) 1,4-Dioxane	7.282	88	288876	9.623	ppbv #	100
41) Tetrahydrofuran	5.565	42	809013	10.971	ppbv	98
42) Bromodichloromethane	7.246	83	1770761	10.995	ppbv	97
43) Methyl Methacrylate	7.471	69	797976	10.975	ppbv	97
44) 2,2,4-Trimethylpentane	7.323	57	3263351	10.296	ppbv	99
45) t-1,3-Dichloropropene	8.703	75	517588	12.114	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	647202	11.682	ppbv	97
47) 1,1,2-Trichloroethane	8.889	97	811512	10.237	ppbv	99
48) Dibromochloromethane	9.700	129	1463004	11.122	ppbv	100
49) Bromoform	12.391	173	1160550	11.730	ppbv	100
50) 4-Methyl-2-Pentanone	8.176	43	2088024	11.265	ppbv	98
51) 2-Hexanone	9.539	43	1533248	11.735	ppbv #	97
52) Tetrachloroethene	10.603	164	645387	10.044	ppbv	94
53) Toluene	9.211	91	2216589	10.557	ppbv	98
54) 1,2-Dibromoethane	9.995	107	1117552	10.954	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.497	131	1037618	10.195	ppbv	98
57) Chlorobenzene	11.510	112	1690961	9.594	ppbv	99
58) Ethyl Benzene	12.076	91	3037024	9.788	ppbv	98
59) m/p-Xylene	12.355	91	5198027m	19.674	ppbv	
60) o-Xylene	13.044	91	2462094	9.789	ppbv	97
61) Styrene	12.883	104	1249894	10.304	ppbv	99
62) Isopropylbenzene	14.011	105	3569082	9.605	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.031	83	1775897	9.962	ppbv	99
64) n-propylbenzene	14.899	120	901005	9.674	ppbv	92
65) tert-Butylbenzene	16.072	119	3079418	9.828	ppbv	98
66) Benzyl Chloride	16.310	91	125047	10.831	ppbv #	100
67) sec-Butylbenzene	16.616	105	4352593	9.725	ppbv	99
69) p-Isopropyltoluene	16.976	119	3487459	9.771	ppbv	99
70) n-Butylbenzene	17.866	91	3756887	9.968	ppbv	99
71) 2-Chlorotoluene	14.783	91	2788265	9.843	ppbv	100
72) 4-Ethyltoluene	15.175	105	2803688	10.140	ppbv	98
73) 1,3,5-Trimethylbenzene	15.333	105	2392321	9.783	ppbv	98
74) 1,2,4-Trimethylbenzene	16.088	105	2653797	9.725	ppbv	98
75) 1,3-Dichlorobenzene	16.313	146	1487217	9.870	ppbv	100
76) 1,4-Dichlorobenzene	16.455	146	1445609	10.021	ppbv	100
77) 1,2-Dichlorobenzene	17.127	146	1397293	9.537	ppbv	99
78) Hexachloro-1,3-Butadiene	22.612	225	788456	8.595	ppbv	98
79) Naphthalene	21.365	128	1771015	12.627	ppbv	99
80) Naphthalene,2-methyl-	24.361	142	357790	14.451	ppbv	94
81) 1,2,4-Trichlorobenzene	21.120	180	897421	10.525	ppbv	99

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

Manual Integrations

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
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