

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111523\
 Data File : VL040867.D
 Acq On : 15 Nov 2023 12:39
 Operator : SY/MD
 Sample : VL1115ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1115ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/22/2023
 Supervised By :Mahesh Dadoda 11/22/2023

Quant Time: Nov 16 05:51:25 2023

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri 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	5.192	49	1029030	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.642	114	2656255	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	2691527	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.748 95 1958056 9.292 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 92.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.758	85	1974022	9.463	ppbv	99
3) Chlorodifluoromethane	2.703	51	1557647	9.481	ppbv	100
4) Chloromethane	2.841	50	583471	9.876	ppbv	95
5) Vinyl Chloride	2.944	62	606203	10.317	ppbv	98
6) Bromomethane	3.140	94	222650	9.927	ppbv	90
7) Chloroethane	3.217	64	204644	10.058	ppbv	96
8) Dichlorotetrafluoroethane	2.883	85	1444529	9.590	ppbv	99
9) Propene	2.722	41	541647	9.782	ppbv	99
10) Heptane	7.565	43	1333535	9.790	ppbv	99
11) Trichlorofluoromethane	3.578	101	1536133	9.583	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.076	101	1093528	9.604	ppbv	99
13) Ethanol	3.262	45	94241	8.765	ppbv #	100
14) Bromoethene	3.385	108	449845	9.822	ppbv	97
15) Acetone	3.484	43	1036797	9.460	ppbv	99
16) 1,3-Butadiene	3.008	39	580989	10.478	ppbv	99
17) tert-Butyl alcohol	3.889	59	890837	9.505	ppbv	99
18) 1,1-Dichloroethene	3.889	96	485936	9.574	ppbv	99
19) Isopropyl Alcohol	3.590	45	664222	10.071	ppbv	99
20) Methylene Chloride	3.944	84	397043	8.779	ppbv	97
21) Allyl Chloride	4.005	41	701416	10.001	ppbv	99
22) trans-1,2-Dichloroethene	4.449	96	499945	8.679	ppbv	92
23) Vinyl Acetate	4.629	43	1542663	10.901	ppbv	99
24) 1,1-Dichloroethane	4.568	63	1204613	9.550	ppbv	99
25) Ethyl Acetate	5.201	43	2278272	10.040	ppbv	100
26) Hexane	5.211	57	978794	9.746	ppbv	99
27) Carbon Disulfide	4.134	76	1253328	9.841	ppbv	99
28) Methyl tert-Butyl Ether	4.590	73	908327	10.000	ppbv	99
29) Chloroform	5.272	83	1625817	9.551	ppbv	100
30) Cyclohexane	6.590	84	855730	9.904	ppbv	99
31) cis-1,2-Dichloroethene	5.079	61	1027732	10.341	ppbv	98
32) 1,1,1-Trichloroethane	5.995	97	1624547	10.229	ppbv	100
34) 2-Butanone	4.787	43	1410447	10.423	ppbv	100
35) Carbon Tetrachloride	6.484	117	1716767	10.534	ppbv	98
36) Benzene	6.362	78	2104307	9.761	ppbv	99
37) 1,2-Dichloroethane	5.799	62	1262210	9.927	ppbv	100
38) Trichloroethene	7.278	130	819197	9.776	ppbv	99
39) 1,2-Dichloropropane	7.063	63	829840	9.708	ppbv	98
40) 1,4-Dioxane	7.269	88	322147	9.498	ppbv #	97
41) Tetrahydrofuran	5.552	42	877738	10.535	ppbv	99
42) Bromodichloromethane	7.237	83	1830459	10.060	ppbv	99
43) Methyl Methacrylate	7.458	69	871744	10.612	ppbv	100
44) 2,2,4-Trimethylpentane	7.311	57	3460222	9.663	ppbv	100
45) t-1,3-Dichloropropene	8.693	75	583784	12.093	ppbv	95

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

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.124	75	699737	11.179	ppbv	96
47) 1,1,2-Trichloroethane	8.876	97	881518	9.842	ppbv	99
48) Dibromochloromethane	9.687	129	1571426	10.574	ppbv	100
49) Bromoform	12.381	173	1228673	10.992	ppbv	99
50) 4-Methyl-2-Pentanone	8.163	43	2184404	10.431	ppbv	100
51) 2-Hexanone	9.529	43	1612704	10.925	ppbv #	99
52) Tetrachloroethene	10.590	164	737106	10.154	ppbv	99
53) Toluene	9.198	91	2419361	10.198	ppbv	99
54) 1,2-Dibromoethane	9.982	107	1217196	10.560	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.481	131	1112550	9.658	ppbv	97
57) Chlorobenzene	11.500	112	1840755	9.227	ppbv	97
58) Ethyl Benzene	12.060	91	3264261	9.295	ppbv	98
59) m/p-Xylene	12.346	91	5469281m	18.289	ppbv	
60) o-Xylene	13.031	91	2603166	9.144	ppbv	99
61) Styrene	12.870	104	1386094	10.096	ppbv	99
62) Isopropylbenzene	14.002	105	3826961	9.099	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.021	83	1862764	9.232	ppbv	99
64) n-propylbenzene	14.886	120	1001945	9.505	ppbv	99
65) tert-Butylbenzene	16.059	119	3328250	9.385	ppbv	98
66) Benzyl Chloride	16.297	91	122183	9.350	ppbv #	97
67) sec-Butylbenzene	16.606	105	4669753	9.218	ppbv	100
69) p-Isopropyltoluene	16.963	119	3787003	9.375	ppbv	99
70) n-Butylbenzene	17.857	91	3965168	9.295	ppbv	99
71) 2-Chlorotoluene	14.770	91	2960224	9.233	ppbv	98
72) 4-Ethyltoluene	15.162	105	3007654	9.610	ppbv	99
73) 1,3,5-Trimethylbenzene	15.323	105	2603971	9.408	ppbv	98
74) 1,2,4-Trimethylbenzene	16.079	105	2817016	9.120	ppbv	96
75) 1,3-Dichlorobenzene	16.301	146	1608117	9.429	ppbv	98
76) 1,4-Dichlorobenzene	16.442	146	1542951	9.450	ppbv	98
77) 1,2-Dichlorobenzene	17.114	146	1539552	9.284	ppbv	99
78) Hexachloro-1,3-Butadiene	22.603	225	889960m	8.571	ppbv	
79) Naphthalene	21.349	128	1937684	12.206	ppbv	97
80) Naphthalene,2-methyl-	24.348	142	383110	13.671	ppbv	97
81) 1,2,4-Trichlorobenzene	21.107	180	982574	10.181	ppbv	99

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

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