

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090723\
 Data File : VL040669.D
 Acq On : 7 Sep 2023 12:09
 Operator : SY/MD
 Sample : VL0907ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0907ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/11/2023
 Supervised By : Mahesh Dadoda 09/11/2023

Quant Time: Sep 07 13:09:11 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023

QLast Update : Wed Aug 16 05:43:50 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1009750	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2633286	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	2579722	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.786 95 2201631 10.731 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 107.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.719	85	2296012	10.557	ppbv	98
3) Chlorodifluoromethane	2.665	51	1649029	9.946	ppbv	96
4) Chloromethane	2.803	50	636797	9.848	ppbv	99
5) Vinyl Chloride	2.912	62	697440	10.158	ppbv	95
6) Bromomethane	3.112	94	384292	10.676	ppbv	99
7) Chloroethane	3.189	64	261903	10.456	ppbv	94
8) Dichlorotetrafluoroethane	2.848	85	1846938	10.492	ppbv	98
9) Propene	2.684	41	470664	9.162	ppbv	99
10) Heptane	7.584	43	1209542	10.225	ppbv	99
11) Trichlorofluoromethane	3.555	101	2010846	11.453	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.060	101	1451831	11.140	ppbv	99
13) Ethanol	3.234	45	78038	5.443	ppbv	76
14) Bromoethene	3.359	108	603252	11.399	ppbv	98
15) Acetone	3.459	43	1279924	10.363	ppbv	100
16) 1,3-Butadiene	2.976	39	646914	10.532	ppbv	99
17) tert-Butyl alcohol	3.874	59	1331956	10.169	ppbv	100
18) 1,1-Dichloroethene	3.874	96	648946	10.988	ppbv	96
19) Isopropyl Alcohol	3.568	45	739140	9.438	ppbv	100
20) Methylene Chloride	3.925	84	543709	9.008	ppbv	97
21) Allyl Chloride	3.993	41	862199	10.554	ppbv	96
22) trans-1,2-Dichloroethene	4.443	96	653494	11.272	ppbv	98
23) Vinyl Acetate	4.623	43	1489499	10.584	ppbv	99
24) 1,1-Dichloroethane	4.562	63	1284409	10.672	ppbv	99
25) Ethyl Acetate	5.205	43	2261165	9.748	ppbv	99
26) Hexane	5.211	57	990170	8.823	ppbv	96
27) Carbon Disulfide	4.118	76	1620677	12.130	ppbv	99
28) Methyl tert-Butyl Ether	4.581	73	908784	10.474	ppbv	99
29) Chloroform	5.275	83	1798915	10.127	ppbv	97
30) Cyclohexane	6.603	84	810855	9.443	ppbv	97
31) cis-1,2-Dichloroethene	5.076	61	1032966	10.199	ppbv	97
32) 1,1,1-Trichloroethane	6.005	97	1860390	10.937	ppbv	99
34) 2-Butanone	4.783	43	1361753	10.255	ppbv	98
35) Carbon Tetrachloride	6.497	117	1962171	11.909	ppbv	99
36) Benzene	6.372	78	2053800	9.804	ppbv	97
37) 1,2-Dichloroethane	5.809	62	1394002	11.033	ppbv	98
38) Trichloroethene	7.295	130	872813	10.760	ppbv	96
39) 1,2-Dichloropropane	7.076	63	793752	9.959	ppbv	96
40) 1,4-Dioxane	7.291	88	256205	8.485	ppbv #	1
41) Tetrahydrofuran	5.555	42	720534	9.600	ppbv	99
42) Bromodichloromethane	7.253	83	1976064	11.236	ppbv	99
43) Methyl Methacrylate	7.478	69	857972	10.938	ppbv	98
44) 2,2,4-Trimethylpentane	7.330	57	3406878	10.061	ppbv	96
45) t-1,3-Dichloropropene	8.719	75	819660	13.085	ppbv	97

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	938484	12.282	ppbv	92
47) 1,1,2-Trichloroethane	8.906	97	905361	10.056	ppbv	97
48) Dibromochloromethane	9.719	129	1668621	11.843	ppbv	99
49) Bromoform	12.420	173	1407915	12.472	ppbv	100
50) 4-Methyl-2-Pentanone	8.185	43	2075741	10.700	ppbv	99
51) 2-Hexanone	9.558	43	1558574	11.402	ppbv #	97
52) Tetrachloroethene	10.626	164	757376	11.544	ppbv	97
53) Toluene	9.227	91	2456376	11.034	ppbv	100
54) 1,2-Dibromoethane	10.015	107	1339004	11.681	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.516	131	1245511	10.435	ppbv	97
57) Chlorobenzene	11.536	112	2013105	10.111	ppbv	98
58) Ethyl Benzene	12.098	91	3406479	10.951	ppbv	99
59) m/p-Xylene	12.381	91	6129141m	21.599	ppbv	
60) o-Xylene	13.069	91	2997831	11.146	ppbv	99
61) Styrene	12.909	104	1434496	12.172	ppbv	98
62) Isopropylbenzene	14.040	105	4297953	10.559	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.056	83	2136353	10.606	ppbv	98
64) n-propylbenzene	14.921	120	1116581	10.854	ppbv	98
65) tert-Butylbenzene	16.098	119	3899268	11.053	ppbv	99
66) Benzyl Chloride	16.333	91	505253	11.389	ppbv	100
67) sec-Butylbenzene	16.645	105	5452985	10.594	ppbv	100
69) p-Isopropyltoluene	17.005	119	4455958	11.064	ppbv	99
70) n-Butylbenzene	17.895	91	4854509	11.040	ppbv	100
71) 2-Chlorotoluene	14.809	91	3348208	11.086	ppbv	99
72) 4-Ethyltoluene	15.201	105	3457213	11.386	ppbv	100
73) 1,3,5-Trimethylbenzene	15.362	105	2979589	10.978	ppbv	98
74) 1,2,4-Trimethylbenzene	16.117	105	3456937	10.906	ppbv	100
75) 1,3-Dichlorobenzene	16.339	146	1961340	10.702	ppbv	99
76) 1,4-Dichlorobenzene	16.484	146	1888430	10.540	ppbv	98
77) 1,2-Dichlorobenzene	17.153	146	1883562	10.446	ppbv	99
78) Hexachloro-1,3-Butadiene	22.645	225	1338043	9.781	ppbv	99
79) Naphthalene	21.394	128	2827509	13.507	ppbv	99
80) Naphthalene,2-methyl-	24.381	142	867321	14.398	ppbv	96
81) 1,2,4-Trichlorobenzene	21.153	180	1567337	11.375	ppbv	99

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

