

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091823\
 Data File : VL040694.D
 Acq On : 18 Sep 2023 11:14
 Operator : SY/MD
 Sample : VL0918ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0918ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/19/2023
 Supervised By : Mahesh Dadoda 09/19/2023

Quant Time: Sep 19 05:16:27 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M

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

QLast Update : Tue Sep 19 05:12:43 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.201	49	1227074	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	3183725	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2947953	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.786 95 2312702 10.154 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.735	85	2480492	9.175	ppbv	100
3) Chlorodifluoromethane	2.681	51	1771275	8.861	ppbv	99
4) Chloromethane	2.819	50	681516	8.905	ppbv	99
5) Vinyl Chloride	2.928	62	771475	8.529	ppbv	98
6) Bromomethane	3.124	94	403642	9.250	ppbv	93
7) Chloroethane	3.201	64	287692	9.261	ppbv	95
8) Dichlorotetrafluoroethane	2.864	85	2037473	9.129	ppbv	99
9) Propene	2.700	41	501228	8.704	ppbv	95
10) Heptane	7.590	43	1315792	10.140	ppbv	98
11) Trichlorofluoromethane	3.568	101	2200802	9.260	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.073	101	1627525	9.573	ppbv	97
13) Ethanol	3.246	45	144096	8.454	ppbv	98
14) Bromoethene	3.372	108	662427	9.289	ppbv	98
15) Acetone	3.475	43	1397131	8.632	ppbv	99
16) 1,3-Butadiene	2.992	39	703018	9.966	ppbv	97
17) tert-Butyl alcohol	3.886	59	1525698	9.202	ppbv	99
18) 1,1-Dichloroethene	3.890	96	727664	9.629	ppbv	91
19) Isopropyl Alcohol	3.581	45	916216	9.395	ppbv #	98
20) Methylene Chloride	3.938	84	632234	7.257	ppbv	98
21) Allyl Chloride	4.002	41	940551	9.482	ppbv	99
22) trans-1,2-Dichloroethene	4.452	96	763677	10.221	ppbv	96
23) Vinyl Acetate	4.632	43	1665369	9.949	ppbv	99
24) 1,1-Dichloroethane	4.571	63	1504525	9.605	ppbv	99
25) Ethyl Acetate	5.214	43	2478093	9.493	ppbv	99
26) Hexane	5.221	57	1094540	8.867	ppbv	97
27) Carbon Disulfide	4.131	76	1878946	10.916	ppbv	98
28) Methyl tert-Butyl Ether	4.590	73	1076311	10.135	ppbv	99
29) Chloroform	5.285	83	1962899	9.210	ppbv	99
30) Cyclohexane	6.610	84	941781	10.132	ppbv	98
31) cis-1,2-Dichloroethene	5.086	61	1132605	9.890	ppbv	96
32) 1,1,1-Trichloroethane	6.012	97	2047943	9.399	ppbv	99
34) 2-Butanone	4.793	43	1489418	9.302	ppbv	99
35) Carbon Tetrachloride	6.504	117	2143870	9.807	ppbv	97
36) Benzene	6.381	78	2296711	9.742	ppbv	97
37) 1,2-Dichloroethane	5.816	62	1528672	9.474	ppbv	99
38) Trichloroethene	7.301	130	949281	10.558	ppbv	99
39) 1,2-Dichloropropane	7.082	63	867391	9.558	ppbv	99
40) 1,4-Dioxane	7.295	88	379280	11.056	ppbv #	100
41) Tetrahydrofuran	5.565	42	812783	9.900	ppbv	100
42) Bromodichloromethane	7.259	83	2156880	9.797	ppbv	98
43) Methyl Methacrylate	7.484	69	935639	10.677	ppbv	99
44) 2,2,4-Trimethylpentane	7.336	57	3765114	10.030	ppbv	99
45) t-1,3-Dichloropropene	8.722	75	852787	12.550	ppbv	97

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.153	75	946551	11.385	ppbv	97
47) 1,1,2-Trichloroethane	8.909	97	1000988	9.612	ppbv	97
48) Dibromochloromethane	9.719	129	1789369	10.416	ppbv	99
49) Bromoform	12.420	173	1491817	10.573	ppbv	99
50) 4-Methyl-2-Pentanone	8.192	43	2220126	10.261	ppbv	98
51) 2-Hexanone	9.558	43	1628670	10.906	ppbv #	99
52) Tetrachloroethene	10.626	164	822386	10.694	ppbv	94
53) Toluene	9.230	91	2674750	10.746	ppbv	99
54) 1,2-Dibromoethane	10.021	107	1429076	10.751	ppbv	94
56) 1,1,1,2-Tetrachloroethane	11.519	131	1331115	9.473	ppbv	98
57) Chlorobenzene	11.539	112	2123245	9.511	ppbv	98
58) Ethyl Benzene	12.101	91	3678344	10.944	ppbv	99
59) m/p-Xylene	12.381	91	6511645m	20.633	ppbv	
60) o-Xylene	13.069	91	3128963	10.396	ppbv	100
61) Styrene	12.905	104	1523797	12.080	ppbv	99
62) Isopropylbenzene	14.040	105	4542947	9.997	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.060	83	2227419	9.442	ppbv	100
64) n-propylbenzene	14.928	120	1157469	10.187	ppbv	100
65) tert-Butylbenzene	16.101	119	4059947	9.954	ppbv	99
66) Benzyl Chloride	16.336	91	538360	11.310	ppbv	99
67) sec-Butylbenzene	16.648	105	5689185	9.744	ppbv	100
69) p-Isopropyltoluene	17.008	119	4638467	10.108	ppbv	99
70) n-Butylbenzene	17.895	91	4981966	9.864	ppbv	100
71) 2-Chlorotoluene	14.809	91	3477072	10.342	ppbv	99
72) 4-Ethyltoluene	15.201	105	3568780	10.574	ppbv	99
73) 1,3,5-Trimethylbenzene	15.362	105	3098142	10.194	ppbv	98
74) 1,2,4-Trimethylbenzene	16.117	105	3578605	9.659	ppbv	96
75) 1,3-Dichlorobenzene	16.342	146	2011359	9.528	ppbv	99
76) 1,4-Dichlorobenzene	16.484	146	1952711	9.402	ppbv	100
77) 1,2-Dichlorobenzene	17.149	146	1941094	9.232	ppbv	99
78) Hexachloro-1,3-Butadiene	22.648	225	1373640	8.635	ppbv	99
79) Naphthalene	21.397	128	2820291	12.233	ppbv	97
80) Naphthalene,2-methyl-	24.384	142	803662	14.232	ppbv	96
81) 1,2,4-Trichlorobenzene	21.153	180	1471275	9.770	ppbv	99

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

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