

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072623\
 Data File : VL040545.D
 Acq On : 26 Jul 2023 17:05
 Operator : SY/MD
 Sample : VL0726ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0726ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/27/2023
 Supervised By : Mahesh Dadoda 07/27/2023

Quant Time: Jul 27 01:51:25 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M

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

QLast Update : Mon Jul 10 16:32:00 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1132692	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.639	114	2822334	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.458	117	2876582m	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.767 95 2162080 9.497 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 95.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.706	85	1791096	7.905	ppbv	99
3) Chlorodifluoromethane	2.652	51	1853093	10.321	ppbv	97
4) Chloromethane	2.790	50	737041	10.363	ppbv	96
5) Vinyl Chloride	2.899	62	803566	10.760	ppbv	99
6) Bromomethane	3.099	94	358894	11.385	ppbv	97
7) Chloroethane	3.176	64	281926	10.759	ppbv	92
8) Dichlorotetrafluoroethane	2.835	85	1998533	10.722	ppbv	100
9) Propene	2.671	41	591998	9.632	ppbv	98
10) Heptane	7.568	43	1442898	10.631	ppbv	99
11) Trichlorofluoromethane	3.542	101	2062909	11.284	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.047	101	1452599	11.282	ppbv	96
13) Ethanol	3.218	45	141194	10.558	ppbv	95
14) Bromoethene	3.343	108	620174	11.202	ppbv	99
15) Acetone	3.446	43	1418607	10.880	ppbv	98
16) 1,3-Butadiene	2.963	39	717587	10.909	ppbv	99
17) tert-Butyl alcohol	3.857	59	1586660	11.766	ppbv	99
18) 1,1-Dichloroethene	3.861	96	674335	11.392	ppbv	98
19) Isopropyl Alcohol	3.552	45	890632	11.899	ppbv #	98
20) Methylene Chloride	3.915	84	599753	10.814	ppbv	92
21) Allyl Chloride	3.976	41	794769	10.674	ppbv	95
22) trans-1,2-Dichloroethene	4.426	96	665119	11.389	ppbv	96
23) Vinyl Acetate	4.607	43	1460805	11.760	ppbv	99
24) 1,1-Dichloroethane	4.545	63	1359365	10.782	ppbv	99
25) Ethyl Acetate	5.185	43	2637455	10.625	ppbv	99
26) Hexane	5.195	57	1182198	10.252	ppbv	98
27) Carbon Disulfide	4.105	76	1648122	12.151	ppbv	99
28) Methyl tert-Butyl Ether	4.568	73	969921	10.448	ppbv	99
29) Chloroform	5.259	83	2030612	10.617	ppbv	98
30) Cyclohexane	6.587	84	982758	10.242	ppbv	98
31) cis-1,2-Dichloroethene	5.063	61	1231082	10.801	ppbv	98
32) 1,1,1-Trichloroethane	5.989	97	2056088	10.986	ppbv	99
34) 2-Butanone	4.767	43	1630733	11.693	ppbv	99
35) Carbon Tetrachloride	6.478	117	2084089	12.270	ppbv	97
36) Benzene	6.356	78	2454026	10.806	ppbv	97
37) 1,2-Dichloroethane	5.793	62	1540871	11.534	ppbv	98
38) Trichloroethene	7.278	130	1001685	11.662	ppbv	96
39) 1,2-Dichloropropane	7.060	63	946175	10.823	ppbv	95
40) 1,4-Dioxane	7.272	88	334574	12.236	ppbv #	36
41) Tetrahydrofuran	5.539	42	926382	11.383	ppbv	98
42) Bromodichloromethane	7.237	83	2200496	11.843	ppbv	100
43) Methyl Methacrylate	7.462	69	1009711	11.879	ppbv	97
44) 2,2,4-Trimethylpentane	7.314	57	4015124	10.989	ppbv	98
45) t-1,3-Dichloropropene	8.700	75	731549	13.416	ppbv	98

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.130	75	889868	12.720	ppbv	93
47) 1,1,2-Trichloroethane	8.886	97	1054458	10.932	ppbv	99
48) Dibromochloromethane	9.700	129	1801779	12.082	ppbv	100
49) Bromoform	12.397	173	1494814	12.644	ppbv	99
50) 4-Methyl-2-Pentanone	8.169	43	2410820	11.898	ppbv	97
51) 2-Hexanone	9.539	43	1764108	12.311	ppbv #	99
52) Tetrachloroethene	10.606	164	859762	11.691	ppbv	97
53) Toluene	9.211	91	2835173	11.494	ppbv	99
54) 1,2-Dibromoethane	10.002	107	1437941	11.994	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.500	131	1356325	10.528	ppbv	97
57) Chlorobenzene	11.519	112	2234458	9.960	ppbv	96
58) Ethyl Benzene	12.079	91	3918221	10.854	ppbv	100
59) m/p-Xylene	12.362	91	6849834m	21.260	ppbv	
60) o-Xylene	13.050	91	3305341	10.769	ppbv	100
61) Styrene	12.889	104	1651478	11.664	ppbv	97
62) Isopropylbenzene	14.024	105	4791294	10.415	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.037	83	2329149	10.836	ppbv	99
64) n-propylbenzene	14.908	120	1275555	10.717	ppbv	96
65) tert-Butylbenzene	16.082	119	4305133	10.571	ppbv	96
66) Benzyl Chloride	16.317	91	346365	12.022	ppbv	95
67) sec-Butylbenzene	16.629	105	6266223	10.471	ppbv	99
69) p-Isopropyltoluene	16.989	119	5203518	10.522	ppbv	98
70) n-Butylbenzene	17.879	91	5890850	10.682	ppbv	99
71) 2-Chlorotoluene	14.793	91	3827207	10.795	ppbv	99
72) 4-Ethyltoluene	15.185	105	4007874	11.139	ppbv	98
73) 1,3,5-Trimethylbenzene	15.342	105	3474307	10.955	ppbv	98
74) 1,2,4-Trimethylbenzene	16.101	105	3931769	10.633	ppbv	94
75) 1,3-Dichlorobenzene	16.323	146	2317490	10.337	ppbv	99
76) 1,4-Dichlorobenzene	16.468	146	2273767	10.344	ppbv	99
77) 1,2-Dichlorobenzene	17.137	146	2226664	10.387	ppbv	99
78) Hexachloro-1,3-Butadiene	22.628	225	1884892	9.363	ppbv	99
79) Naphthalene	21.374	128	4002630	12.794	ppbv	99
80) Naphthalene,2-methyl-	24.365	142	1656364	12.840	ppbv	97
81) 1,2,4-Trichlorobenzene	21.133	180	2366813	10.978	ppbv	99

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

