

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071423\
 Data File : VL040530.D
 Acq On : 14 Jul 2023 16:39
 Operator : SY/MD
 Sample : VL0714ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0714ABS01

Quant Time: Jul 16 23:30:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 18 2023
 QLast Update : Mon Jul 10 16:32:00 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 07/17/2023
 Supervised By : Mahesh Dadoda 07/17/2023

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

Internal Standards						
1) Bromochloromethane	5.198	49	1007943	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2507355	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	2578860	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	2013530	9.865	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.735	85	1997103	9.906	ppbv	99
3) Chlorodifluoromethane	2.681	51	1551591	9.712	ppbv	97
4) Chloromethane	2.819	50	609316	9.627	ppbv	98
5) Vinyl Chloride	2.925	62	658736	9.912	ppbv	99
6) Bromomethane	3.124	94	276470	9.856	ppbv	97
7) Chloroethane	3.202	64	239285	10.262	ppbv	96
8) Dichlorotetrafluoroethane	2.864	85	1688089	10.177	ppbv	98
9) Propene	2.703	41	467675	8.551	ppbv	97
10) Heptane	7.584	43	1220935	10.109	ppbv	99
11) Trichlorofluoromethane	3.568	101	1705607	10.484	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.070	101	1178880	10.289	ppbv	96
13) Ethanol	3.243	45	100084m	8.410	ppbv	
14) Bromoethene	3.372	108	509183	10.336	ppbv	100
15) Acetone	3.472	43	1136047	9.792	ppbv	99
16) 1,3-Butadiene	2.989	39	590624	10.090	ppbv	99
17) tert-Butyl alcohol	3.880	59	1192899	9.941	ppbv	99
18) 1,1-Dichloroethene	3.886	96	551327	10.467	ppbv	96
19) Isopropyl Alcohol	3.578	45	650739	9.770	ppbv #	98
20) Methylene Chloride	3.938	84	448249	9.083	ppbv	96
21) Allyl Chloride	4.002	41	646526	9.758	ppbv	96
22) trans-1,2-Dichloroethene	4.449	96	554256	10.665	ppbv	98
23) Vinyl Acetate	4.629	43	1215383	10.996	ppbv	99
24) 1,1-Dichloroethane	4.565	63	1128489	10.058	ppbv	99
25) Ethyl Acetate	5.208	43	2168709	9.818	ppbv	99
26) Hexane	5.214	57	963586	9.390	ppbv	96
27) Carbon Disulfide	4.128	76	1348042	11.168	ppbv	99
28) Methyl tert-Butyl Ether	4.591	73	807644	9.777	ppbv	100
29) Chloroform	5.279	83	1709489	10.044	ppbv	99
30) Cyclohexane	6.607	84	809378	9.479	ppbv	97
31) cis-1,2-Dichloroethene	5.083	61	1013634	9.993	ppbv	96
32) 1,1,1-Trichloroethane	6.009	97	1729044	10.382	ppbv	99
34) 2-Butanone	4.790	43	1322592	10.675	ppbv	99
35) Carbon Tetrachloride	6.497	117	1772583	11.747	ppbv	96
36) Benzene	6.375	78	2025987	10.042	ppbv	99
37) 1,2-Dichloroethane	5.812	62	1317767	11.103	ppbv	96
38) Trichloroethene	7.298	130	819406	10.738	ppbv	96
39) 1,2-Dichloropropane	7.079	63	785123	10.109	ppbv	94
40) 1,4-Dioxane	7.295	88	240409m	9.897	ppbv	
41) Tetrahydrofuran	5.562	42	743188	10.279	ppbv	98
42) Bromodichloromethane	7.256	83	1844671	11.175	ppbv	99
43) Methyl Methacrylate	7.478	69	840913	11.136	ppbv	95
44) 2,2,4-Trimethylpentane	7.330	57	3322029	10.234	ppbv	97
45) t-1,3-Dichloropropene	8.713	75	602863	12.445	ppbv	94

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Quant Time: Jul 16 23:30:47 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)
46) cis-1,3-Dichloropropene	8.150	75	719673	11.579	ppbv	92
47) 1,1,2-Trichloroethane	8.902	97	877803	10.244	ppbv	99
48) Dibromochloromethane	9.716	129	1529414	11.544	ppbv	100
49) Bromoform	12.413	173	1264310	12.037	ppbv	100
50) 4-Methyl-2-Pentanone	8.185	43	2019256	11.217	ppbv	96
51) 2-Hexanone	9.555	43	1514254	11.895	ppbv #	97
52) Tetrachloroethene	10.623	164	712810	10.910	ppbv	95
53) Toluene	9.224	91	2353255	10.738	ppbv	99
54) 1,2-Dibromoethane	10.015	107	1200605	11.272	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.513	131	1143474	9.901	ppbv	98
57) Chlorobenzene	11.532	112	1876382	9.330	ppbv	95
58) Ethyl Benzene	12.092	91	3274746	10.119	ppbv	100
59) m/p-Xylene	12.381	91	5813165m	20.125	ppbv	
60) o-Xylene	13.063	91	2818874	10.244	ppbv	100
61) Styrene	12.905	104	1394732	10.988	ppbv	97
62) Isopropylbenzene	14.034	105	4073730	9.877	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.053	83	1994413	10.350	ppbv	100
64) n-propylbenzene	14.925	120	1065636	9.987	ppbv	92
65) tert-Butylbenzene	16.095	119	3676295	10.069	ppbv	96
66) Benzyl Chloride	16.333	91	285203	11.042	ppbv	97
67) sec-Butylbenzene	16.642	105	5353931	9.980	ppbv	98
69) p-Isopropyltoluene	16.998	119	4452520	10.043	ppbv	98
70) n-Butylbenzene	17.889	91	5073261	10.262	ppbv	98
71) 2-Chlorotoluene	14.806	91	3263905	10.269	ppbv	98
72) 4-Ethyltoluene	15.198	105	3388822	10.506	ppbv	98
73) 1,3,5-Trimethylbenzene	15.355	105	2939489	10.339	ppbv	98
74) 1,2,4-Trimethylbenzene	16.114	105	3356988	10.127	ppbv	94
75) 1,3-Dichlorobenzene	16.336	146	1954276	9.724	ppbv	99
76) 1,4-Dichlorobenzene	16.478	146	1916634	9.725	ppbv	98
77) 1,2-Dichlorobenzene	17.146	146	1893034	9.850	ppbv	99
78) Hexachloro-1,3-Butadiene	22.641	225	1624772	9.002	ppbv	100
79) Naphthalene	21.387	128	3410779	12.161	ppbv	99
80) Naphthalene,2-methyl-	24.371	142	1366051	11.812	ppbv	96
81) 1,2,4-Trichlorobenzene	21.143	180	2001125	10.353	ppbv	99

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

