

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061523\
 Data File : VL040466.D
 Acq On : 15 Jun 2023 13:55
 Operator : SY/MD
 Sample : VL0615ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0615ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/16/2023
 Supervised By : Mahesh Dadoda 06/16/2023

Quant Time: Jun 16 05:35:47 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060523AIR.M

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

QLast Update : Tue Jun 06 06:22:12 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	1052454	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.665	114	2592317	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.487	117	2725530m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.796 95 2130597 9.471 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 94.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.726	85	2087619	9.114	ppbv	100
3) Chlorodifluoromethane	2.668	51	1586909	9.206	ppbv	99
4) Chloromethane	2.809	50	611165	9.159	ppbv	98
5) Vinyl Chloride	2.915	62	668732	10.042	ppbv	98
6) Bromomethane	3.118	94	336416	9.759	ppbv	97
7) Chloroethane	3.195	64	238148	9.576	ppbv	98
8) Dichlorotetrafluoroethane	2.851	85	1672641	9.246	ppbv	98
9) Propene	2.687	41	475616	8.947	ppbv	99
10) Heptane	7.594	43	1246321	10.359	ppbv	100
11) Trichlorofluoromethane	3.562	101	1761563	9.444	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.067	101	1263866	9.700	ppbv	99
13) Ethanol	3.237	45	95565	8.682	ppbv	96
14) Bromoethene	3.366	108	500570	9.185	ppbv	95
15) Acetone	3.465	43	1119451	8.819	ppbv	99
16) 1,3-Butadiene	2.980	39	614762	9.950	ppbv	99
17) tert-Butyl alcohol	3.877	59	1005585	9.636	ppbv	99
18) 1,1-Dichloroethene	3.880	96	562068	9.682	ppbv	99
19) Isopropyl Alcohol	3.575	45	570202	9.319	ppbv	99
20) Methylene Chloride	3.935	84	463638	8.558	ppbv	96
21) Allyl Chloride	3.999	41	697043	9.721	ppbv	99
22) trans-1,2-Dichloroethene	4.449	96	587954	9.871	ppbv	93
23) Vinyl Acetate	4.629	43	1229993	9.920	ppbv	98
24) 1,1-Dichloroethane	4.568	63	1190779	9.574	ppbv	99
25) Ethyl Acetate	5.211	43	2185194	9.500	ppbv	100
26) Hexane	5.218	57	981253	9.009	ppbv	99
27) Carbon Disulfide	4.124	76	1426807	10.474	ppbv	99
28) Methyl tert-Butyl Ether	4.591	73	837055	9.982	ppbv	99
29) Chloroform	5.282	83	1765971	9.518	ppbv	99
30) Cyclohexane	6.613	84	831449	9.473	ppbv	99
31) cis-1,2-Dichloroethene	5.086	61	1033314	9.916	ppbv	97
32) 1,1,1-Trichloroethane	6.012	97	1763622	9.630	ppbv	99
34) 2-Butanone	4.790	43	1258457	10.067	ppbv	99
35) Carbon Tetrachloride	6.504	117	1826504	10.339	ppbv	95
36) Benzene	6.382	78	2065268	10.016	ppbv	100
37) 1,2-Dichloroethane	5.816	62	1337845	9.959	ppbv	99
38) Trichloroethene	7.308	130	848035	10.855	ppbv	100
39) 1,2-Dichloropropane	7.086	63	790734	9.948	ppbv	98
40) 1,4-Dioxane	7.298	88	202758	9.005	ppbv #	100
41) Tetrahydrofuran	5.562	42	702071	10.275	ppbv	99
42) Bromodichloromethane	7.263	83	1886118	10.196	ppbv	99
43) Methyl Methacrylate	7.488	69	822898	11.109	ppbv	98
44) 2,2,4-Trimethylpentane	7.340	57	3415802	10.136	ppbv	100
45) t-1,3-Dichloropropene	8.726	75	643774	11.770	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.156	75	773372	11.599	ppbv	98
47) 1,1,2-Trichloroethane	8.915	97	872857	9.991	ppbv	96
48) Dibromochloromethane	9.729	129	1510323	10.814	ppbv	100
49) Bromoform	12.426	173	1160423	10.981	ppbv	99
50) 4-Methyl-2-Pentanone	8.195	43	1798692	10.743	ppbv	100
51) 2-Hexanone	9.565	43	1286931	11.072	ppbv	100
52) Tetrachloroethene	10.632	164	724715	11.194	ppbv	97
53) Toluene	9.237	91	2382505	10.970	ppbv	99
54) 1,2-Dibromoethane	10.025	107	1280033	11.177	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.526	131	1140807	8.906	ppbv	99
57) Chlorobenzene	11.545	112	1866231	9.059	ppbv	99
58) Ethyl Benzene	12.108	91	3306488	10.013	ppbv	98
59) m/p-Xylene	12.388	91	5860870m	19.312	ppbv	
60) o-Xylene	13.079	91	2825262	9.815	ppbv	100
61) Styrene	12.915	104	1402539	11.321	ppbv	100
62) Isopropylbenzene	14.050	105	4095621	9.571	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.066	83	1744814	9.361	ppbv	99
64) n-propylbenzene	14.937	120	1052706	9.689	ppbv	98
65) tert-Butylbenzene	16.114	119	3562617	9.704	ppbv	100
66) Benzyl Chloride	16.349	91	279518	9.880	ppbv	98
67) sec-Butylbenzene	16.658	105	5151555	9.623	ppbv	100
69) p-Isopropyltoluene	17.015	119	4214697	9.907	ppbv	100
70) n-Butylbenzene	17.905	91	4642123	9.776	ppbv	100
71) 2-Chlorotoluene	14.822	91	3185699	10.026	ppbv	100
72) 4-Ethyltoluene	15.214	105	3329319	10.269	ppbv	100
73) 1,3,5-Trimethylbenzene	15.372	105	2875274	10.034	ppbv	99
74) 1,2,4-Trimethylbenzene	16.127	105	3236689	9.601	ppbv	95
75) 1,3-Dichlorobenzene	16.352	146	1816976	9.608	ppbv	99
76) 1,4-Dichlorobenzene	16.490	146	1770263	9.627	ppbv	99
77) 1,2-Dichlorobenzene	17.162	146	1687876	9.448	ppbv	99
78) Hexachloro-1,3-Butadiene	22.657	225	1206297	8.755	ppbv	99
79) Naphthalene	21.407	128	2364093	12.176	ppbv	98
80) Naphthalene,2-methyl-	24.390	142	686459	11.782	ppbv	99
81) 1,2,4-Trichlorobenzene	21.162	180	1365679	11.354	ppbv	99

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

