

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070124\
 Data File : VL041370.D
 Acq On : 1 Jul 2024 16:27
 Operator : SY/MD
 Sample : VL0701ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0701ABS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/02/2024
 Supervised By :Semsettin Yesilyurt 07/02/2024

Quant Time: Jul 01 23:31:47 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL062624AIR.M

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

QLast Update : Mon Jul 01 23:27:24 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.214	49	1066982	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	2832028	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2723476m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.774 95 1983839 9.719 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.771	85	1536003	8.437	ppbv	98
3) Chlorodifluoromethane	2.719	51	1601933	8.707	ppbv	100
4) Chloromethane	2.854	50	625862	8.901	ppbv	99
5) Vinyl Chloride	2.960	62	657170	8.650	ppbv	97
6) Bromomethane	3.160	94	216548	9.010	ppbv	98
7) Chloroethane	3.234	64	226137	9.009	ppbv	99
8) Dichlorotetrafluoroethane	2.899	85	1577198	8.912	ppbv	99
9) Propene	2.735	41	540456	8.489	ppbv	99
10) Heptane	7.590	43	1376984	9.209	ppbv	98
11) Trichlorofluoromethane	3.594	101	1594085	8.995	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.095	101	1096668	8.830	ppbv	100
13) Ethanol	3.282	45	132822	9.405	ppbv	92
14) Bromoethene	3.401	108	456620	9.164	ppbv	95
15) Acetone	3.504	43	1192394	8.462	ppbv	98
16) 1,3-Butadiene	3.025	39	643679	9.597	ppbv	99
17) tert-Butyl alcohol	3.912	59	1110903	10.219	ppbv	98
18) 1,1-Dichloroethene	3.909	96	480482	8.800	ppbv	97
19) Isopropyl Alcohol	3.613	45	806802	10.429	ppbv	99
20) Methylene Chloride	3.964	84	421897	8.251	ppbv	96
21) Allyl Chloride	4.025	41	786287	9.250	ppbv	98
22) trans-1,2-Dichloroethene	4.472	96	505825	9.327	ppbv	95
23) Vinyl Acetate	4.652	43	1401625	10.090	ppbv	99
24) 1,1-Dichloroethane	4.591	63	1078714	8.957	ppbv	99
25) Ethyl Acetate	5.227	43	2322320	8.950	ppbv	100
26) Hexane	5.234	57	998562	8.691	ppbv	96
27) Carbon Disulfide	4.153	76	1285940	9.199	ppbv	99
28) Methyl tert-Butyl Ether	4.610	73	778942	9.140	ppbv	98
29) Chloroform	5.295	83	1589168	8.965	ppbv	95
30) Cyclohexane	6.616	84	863400	9.433	ppbv	98
31) cis-1,2-Dichloroethene	5.102	61	1013330	9.199	ppbv	99
32) 1,1,1-Trichloroethane	6.018	97	1566394	8.418	ppbv	99
34) 2-Butanone	4.812	43	1388018	9.288	ppbv	99
35) Carbon Tetrachloride	6.510	117	1632888	8.731	ppbv	99
36) Benzene	6.385	78	2140635	9.133	ppbv	100
37) 1,2-Dichloroethane	5.825	62	1229018	9.139	ppbv	100
38) Trichloroethene	7.304	130	831006	8.139	ppbv	96
39) 1,2-Dichloropropane	7.086	63	817856	9.030	ppbv	99
40) 1,4-Dioxane	7.301	88	320708	11.044	ppbv #	13
41) Tetrahydrofuran	5.574	42	874288	9.445	ppbv	99
42) Bromodichloromethane	7.263	83	1765958	9.385	ppbv	99
43) Methyl Methacrylate	7.484	69	859276	9.758	ppbv	99
44) 2,2,4-Trimethylpentane	7.340	57	3565487	8.951	ppbv	99
45) t-1,3-Dichloropropene	8.719	75	575678	10.330	ppbv	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.150	75	728766	9.725	ppbv	99
47) 1,1,2-Trichloroethane	8.906	97	877655	9.034	ppbv	96
48) Dibromochloromethane	9.713	129	1466485	9.400	ppbv	100
49) Bromoform	12.407	173	1211922	9.754	ppbv	99
50) 4-Methyl-2-Pentanone	8.192	43	2227219	9.280	ppbv	100
51) 2-Hexanone	9.555	43	1586987	9.303	ppbv #	98
52) Tetrachloroethene	10.616	164	767511	8.155	ppbv	96
53) Toluene	9.227	91	2463725	9.320	ppbv	99
54) 1,2-Dibromoethane	10.015	107	1174426	9.769	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.507	131	1079999	8.812	ppbv	99
57) Chlorobenzene	11.529	112	1851718	8.667	ppbv	99
58) Ethyl Benzene	12.089	91	3306992	9.076	ppbv	99
59) m/p-Xylene	12.375	91	5567501m	17.655	ppbv	
60) o-Xylene	13.057	91	2635869	8.857	ppbv	100
61) Styrene	12.899	104	1406692	9.733	ppbv	99
62) Isopropylbenzene	14.028	105	4020435	8.750	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.047	83	1898626	8.098	ppbv	100
64) n-propylbenzene	14.912	120	1074511	8.959	ppbv	99
65) tert-Butylbenzene	16.085	119	3593804	8.784	ppbv	99
66) Benzyl Chloride	16.326	91	269001m	10.007	ppbv	
67) sec-Butylbenzene	16.632	105	5093350	8.803	ppbv	100
69) p-Isopropyltoluene	16.989	119	4219231	8.829	ppbv	100
70) n-Butylbenzene	17.886	91	4391811	8.991	ppbv	100
71) 2-Chlorotoluene	14.796	91	3049605	8.935	ppbv	100
72) 4-Ethyltoluene	15.188	105	3202321	9.034	ppbv	100
73) 1,3,5-Trimethylbenzene	15.346	105	2799875	9.228	ppbv	99
74) 1,2,4-Trimethylbenzene	16.105	105	3082734	9.016	ppbv	95
75) 1,3-Dichlorobenzene	16.326	146	1834362	9.044	ppbv	99
76) 1,4-Dichlorobenzene	16.468	146	1775080	8.784	ppbv	99
77) 1,2-Dichlorobenzene	17.140	146	1797414	8.693	ppbv	100
78) Hexachloro-1,3-Butadiene	22.635	225	750775	4.992	ppbv	99
79) Naphthalene	21.387	128	1021034	5.553	ppbv	98
80) Naphthalene,2-methyl-	24.358	142	435	0.899	ppbv #	1
81) 1,2,4-Trichlorobenzene	21.146	180	661804	5.823	ppbv	99

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

