

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073124\
 Data File : VL041455.D
 Acq On : 31 Jul 2024 9:34
 Operator : SY/MD
 Sample : VL0731ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/01/2024
 Supervised By :Mahesh Dadoda 08/01/2024

Quant Time: Aug 01 02:38:40 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

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

QLast Update : Thu Aug 01 02:36:30 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	1057535	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2883032	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2903933	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.780 95 2174287 9.729 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.732	85	1419064	7.800	ppbv	100
3) Chlorodifluoromethane	2.677	51	1236230	9.820	ppbv	99
4) Chloromethane	2.816	50	646693	9.658	ppbv	98
5) Vinyl Chloride	2.925	62	657034	9.955	ppbv	99
6) Bromomethane	3.121	94	348929	10.286	ppbv	100
7) Chloroethane	3.198	64	236850	10.398	ppbv	95
8) Dichlorotetrafluoroethane	2.861	85	1561724	9.688	ppbv	98
9) Propene	2.697	41	563810	9.749	ppbv	99
10) Heptane	7.584	43	1393950	10.727	ppbv	100
11) Trichlorofluoromethane	3.565	101	1572167	9.730	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.066	101	1143873	9.832	ppbv	100
13) Ethanol	3.247	45	37152m	7.187	ppbv	
14) Bromoethene	3.369	108	461119	10.166	ppbv	98
15) Acetone	3.468	43	1178109	9.805	ppbv	99
16) 1,3-Butadiene	2.989	39	655261	10.207	ppbv	100
17) tert-Butyl alcohol	3.877	59	1234527	11.265	ppbv	100
18) 1,1-Dichloroethene	3.883	96	513259	10.313	ppbv	98
19) Isopropyl Alcohol	3.574	45	734058	10.450	ppbv #	98
20) Methylene Chloride	3.935	84	420045	9.374	ppbv	97
21) Allyl Chloride	3.999	41	824434	10.462	ppbv	99
22) trans-1,2-Dichloroethene	4.449	96	508308	10.215	ppbv	99
23) Vinyl Acetate	4.629	43	975872	10.634	ppbv	98
24) 1,1-Dichloroethane	4.565	63	1080371	9.999	ppbv	100
25) Ethyl Acetate	5.205	43	2489633	10.429	ppbv	99
26) Hexane	5.211	57	1034642	10.448	ppbv	100
27) Carbon Disulfide	4.128	76	1210584	10.450	ppbv	99
28) Methyl tert-Butyl Ether	4.587	73	642077	10.282	ppbv	100
29) Chloroform	5.279	83	1617686	10.016	ppbv	98
30) Cyclohexane	6.607	84	890235	11.040	ppbv	99
31) cis-1,2-Dichloroethene	5.082	61	1030781	10.537	ppbv	99
32) 1,1,1-Trichloroethane	6.005	97	1582905	10.068	ppbv	99
34) 2-Butanone	4.787	43	1503737	10.782	ppbv	100
35) Carbon Tetrachloride	6.497	117	1657384	10.423	ppbv	99
36) Benzene	6.372	78	2199879	10.443	ppbv	99
37) 1,2-Dichloroethane	5.809	62	1244191	10.552	ppbv	100
38) Trichloroethene	7.291	130	999278	10.354	ppbv	98
39) 1,2-Dichloropropane	7.076	63	837569	10.385	ppbv	98
40) 1,4-Dioxane	7.288	88	343590	10.605	ppbv #	1
41) Tetrahydrofuran	5.558	42	908044	11.384	ppbv	98
42) Bromodichloromethane	7.253	83	1781883	10.466	ppbv	99
43) Methyl Methacrylate	7.478	69	883960	11.702	ppbv	98
44) 2,2,4-Trimethylpentane	7.330	57	3690567	10.489	ppbv	100
45) t-1,3-Dichloropropene	8.713	75	895055	12.873	ppbv	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	1200913	11.961	ppbv	98
47) 1,1,2-Trichloroethane	8.899	97	911917	10.258	ppbv	98
48) Dibromochloromethane	9.713	129	1538116	10.740	ppbv	100
49) Bromoform	12.410	173	1350008	11.159	ppbv	100
50) 4-Methyl-2-Pentanone	8.185	43	2453844	11.152	ppbv	99
51) 2-Hexanone	9.552	43	2003292	12.041	ppbv	100
52) Tetrachloroethene	10.619	164	847562	10.412	ppbv	99
53) Toluene	9.224	91	2610329	11.124	ppbv	100
54) 1,2-Dibromoethane	10.012	107	1330296	11.242	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.510	131	1111041	9.866	ppbv #	54
57) Chlorobenzene	11.529	112	1996110	9.654	ppbv	97
58) Ethyl Benzene	12.092	91	3482956	10.406	ppbv	98
59) m/p-Xylene	12.375	91	5912613m	20.463	ppbv	
60) o-Xylene	13.063	91	2836696	10.378	ppbv	100
61) Styrene	12.899	104	1398238	11.339	ppbv	100
62) Isopropylbenzene	14.034	105	4132204	9.945	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.050	83	1713077	9.925	ppbv	99
64) n-propylbenzene	14.918	120	1106286	10.184	ppbv	97
65) tert-Butylbenzene	16.092	119	3720840	9.914	ppbv	100
66) Benzyl Chloride	16.330	91	277028	11.508	ppbv	100
67) sec-Butylbenzene	16.635	105	5189938	10.037	ppbv	100
69) p-Isopropyltoluene	16.998	119	4371550	10.188	ppbv	100
70) n-Butylbenzene	17.889	91	4500124	10.230	ppbv	100
71) 2-Chlorotoluene	14.802	91	3117625	10.174	ppbv	100
72) 4-Ethyltoluene	15.195	105	3451741	10.727	ppbv	100
73) 1,3,5-Trimethylbenzene	15.355	105	2937329	10.596	ppbv	99
74) 1,2,4-Trimethylbenzene	16.111	105	3247969	10.078	ppbv	99
75) 1,3-Dichlorobenzene	16.333	146	2017566	9.959	ppbv	100
76) 1,4-Dichlorobenzene	16.474	146	1955046	9.966	ppbv	99
77) 1,2-Dichlorobenzene	17.143	146	1958804	9.753	ppbv	99
78) Hexachloro-1,3-Butadiene	22.638	225	1497597	8.744	ppbv	99
79) Naphthalene	21.384	128	3366519	11.834	ppbv	100
80) Naphthalene,2-methyl-	24.374	142	3043521	12.764	ppbv	98
81) 1,2,4-Trichlorobenzene	21.143	180	1759732	10.395	ppbv	98

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

