

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072224\
 Data File : VL041383.D
 Acq On : 22 Jul 2024 12:41
 Operator : SY/MD
 Sample : VL0722ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0722ABS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/23/2024
 Supervised By :Semsettin Yesilyurt 07/24/2024

Quant Time: Jul 23 03:13:55 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 : Tue Jul 23 02:50:01 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	1017303	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.652	114	2674592	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.465	117	2734340m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 1942188 9.477 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 94.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.726	85	1213534	6.991	ppbv	99
3) Chlorodifluoromethane	2.671	51	1626455	9.272	ppbv	100
4) Chloromethane	2.854	50	219649	3.277	ppbv #	47
5) Vinyl Chloride	2.919	62	645461m	8.910	ppbv	
6) Bromomethane	3.115	94	211949	9.249	ppbv	93
7) Chloroethane	3.195	64	229782m	9.601	ppbv	
8) Dichlorotetrafluoroethane	2.854	85	1510630	8.953	ppbv	99
9) Propene	2.690	41	572558	9.433	ppbv	97
10) Heptane	7.574	43	1383133	9.701	ppbv	100
11) Trichlorofluoromethane	3.558	101	1521803	9.006	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.060	101	1084150	9.155	ppbv	99
13) Ethanol	3.243	45	50284m	3.734	ppbv	
14) Bromoethene	3.362	108	444263	9.352	ppbv	98
15) Acetone	3.462	43	1184090	8.813	ppbv	96
16) 1,3-Butadiene	2.983	39	649722m	10.160	ppbv	
17) tert-Butyl alcohol	3.873	59	771262	7.441	ppbv	99
18) 1,1-Dichloroethene	3.873	96	478869	9.198	ppbv	93
19) Isopropyl Alcohol	3.574	45	370489m	5.023	ppbv	
20) Methylene Chloride	3.928	84	406840	8.345	ppbv	91
21) Allyl Chloride	3.992	41	769531	9.495	ppbv	99
22) trans-1,2-Dichloroethene	4.439	96	480469	9.292	ppbv	97
23) Vinyl Acetate	4.623	43	1301822	9.829	ppbv	98
24) 1,1-Dichloroethane	4.558	63	1071993	9.336	ppbv	100
25) Ethyl Acetate	5.198	43	2360891	9.543	ppbv	100
26) Hexane	5.208	57	1004003	9.165	ppbv	95
27) Carbon Disulfide	4.118	76	1250980	9.385	ppbv	98
28) Methyl tert-Butyl Ether	4.578	73	750365	9.235	ppbv	100
29) Chloroform	5.269	83	1604684	9.494	ppbv	98
30) Cyclohexane	6.597	84	859233	9.845	ppbv	99
31) cis-1,2-Dichloroethene	5.073	61	1027799	9.786	ppbv	98
32) 1,1,1-Trichloroethane	5.999	97	1604619	9.045	ppbv	99
34) 2-Butanone	4.780	43	1415082	10.026	ppbv	100
35) Carbon Tetrachloride	6.488	117	1670444	9.458	ppbv	98
36) Benzene	6.365	78	2157498	9.747	ppbv	98
37) 1,2-Dichloroethane	5.803	62	1243923	9.794	ppbv	99
38) Trichloroethene	7.288	130	848452	8.799	ppbv	98
39) 1,2-Dichloropropane	7.069	63	841294	9.835	ppbv	97
40) 1,4-Dioxane	7.285	88	100717m	3.673	ppbv	
41) Tetrahydrofuran	5.552	42	866214	9.909	ppbv	98
42) Bromodichloromethane	7.246	83	1813032	10.203	ppbv	99
43) Methyl Methacrylate	7.468	69	886245	10.657	ppbv	98
44) 2,2,4-Trimethylpentane	7.324	57	3589733	9.543	ppbv	100
45) t-1,3-Dichloropropene	8.709	75	672846	12.784	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	809195	11.434	ppbv	99
47) 1,1,2-Trichloroethane	8.893	97	896360	9.770	ppbv	97
48) Dibromochloromethane	9.706	129	1529743	10.383	ppbv	100
49) Bromoform	12.404	173	1245377	10.614	ppbv	99
50) 4-Methyl-2-Pentanone	8.176	43	2281120	10.064	ppbv	99
51) 2-Hexanone	9.545	43	1630126	10.118	ppbv #	98
52) Tetrachloroethene	10.613	164	776663	8.738	ppbv	98
53) Toluene	9.217	91	2536826	10.161	ppbv	99
54) 1,2-Dibromoethane	10.008	107	1219952	10.745	ppbv	94
56) 1,1,1,2-Tetrachloroethane	11.507	131	1129453	9.179	ppbv	96
57) Chlorobenzene	11.523	112	1938458	9.037	ppbv	99
58) Ethyl Benzene	12.085	91	3429036	9.373	ppbv	99
59) m/p-Xylene	12.365	91	5818607m	18.378	ppbv	
60) o-Xylene	13.056	91	2774640	9.286	ppbv	99
61) Styrene	12.892	104	1459396	10.057	ppbv	99
62) Isopropylbenzene	14.024	105	4152446	9.002	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.044	83	1974942	8.390	ppbv	99
64) n-propylbenzene	14.915	120	1096788	9.108	ppbv	98
65) tert-Butylbenzene	16.088	119	3692421	8.990	ppbv	100
66) Benzyl Chloride	16.326	91	279227	10.346	ppbv	99
67) sec-Butylbenzene	16.632	105	5253123	9.043	ppbv	100
69) p-Isopropyltoluene	16.992	119	4384073	9.138	ppbv	99
70) n-Butylbenzene	17.883	91	4647646	9.477	ppbv	99
71) 2-Chlorotoluene	14.796	91	3165564	9.238	ppbv	99
72) 4-Ethyltoluene	15.191	105	3399219	9.551	ppbv	99
73) 1,3,5-Trimethylbenzene	15.349	105	2920701	9.588	ppbv	99
74) 1,2,4-Trimethylbenzene	16.105	105	3219523	9.379	ppbv	95
75) 1,3-Dichlorobenzene	16.326	146	1907993	9.370	ppbv	100
76) 1,4-Dichlorobenzene	16.471	146	1850945	9.123	ppbv	99
77) 1,2-Dichlorobenzene	17.143	146	1889962	9.104	ppbv	99
78) Hexachloro-1,3-Butadiene	22.632	225	1415421	9.374	ppbv	98
79) Naphthalene	21.378	128	3345170	18.120	ppbv	99
80) Naphthalene,2-methyl-	24.374	142	401352	826.061	ppbv #	47
81) 1,2,4-Trichlorobenzene	21.136	180	1645131	14.418	ppbv	98

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

