

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060424\
 Data File : VL041307.D
 Acq On : 4 Jun 2024 16:01
 Operator : SY/MD
 Sample : VL0604ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0604ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/05/2024
 Supervised By :Mahesh Dadoda 06/05/2024

Quant Time: Jun 05 05:27:28 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M

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

QLast Update : Wed Jun 05 04:42:10 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.205	49	965801	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2561967	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2516085	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.773 95 1934373 9.957 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.755	85	1606047	10.413	ppbv	100
3) Chlorodifluoromethane	2.700	51	1416549	9.281	ppbv	99
4) Chloromethane	2.838	50	531485	9.252	ppbv	97
5) Vinyl Chloride	2.944	62	550673	9.516	ppbv	96
6) Bromomethane	3.140	94	169114	8.219	ppbv	86
7) Chloroethane	3.218	64	187256	9.398	ppbv	94
8) Dichlorotetrafluoroethane	2.880	85	1331092	9.385	ppbv	97
9) Propene	2.719	41	505077	9.291	ppbv	99
10) Heptane	7.584	43	1224922	9.506	ppbv	99
11) Trichlorofluoromethane	3.581	101	1365711	9.633	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.079	101	917129	9.158	ppbv	97
13) Ethanol	3.259	45	99081m	7.005	ppbv	
14) Bromoethene	3.388	108	396565	9.784	ppbv	99
15) Acetone	3.488	43	990572	8.983	ppbv	100
16) 1,3-Butadiene	3.009	39	537634	9.699	ppbv	99
17) tert-Butyl alcohol	3.893	59	937017	9.230	ppbv	100
18) 1,1-Dichloroethene	3.896	96	420886	9.852	ppbv	95
19) Isopropyl Alcohol	3.594	45	628698	9.075	ppbv #	99
20) Methylene Chloride	3.947	84	340922	8.506	ppbv	97
21) Allyl Chloride	4.012	41	660291	9.452	ppbv	100
22) trans-1,2-Dichloroethene	4.459	96	435977	9.793	ppbv	93
23) Vinyl Acetate	4.639	43	1219255	10.811	ppbv	99
24) 1,1-Dichloroethane	4.578	63	933945	9.414	ppbv	100
25) Ethyl Acetate	5.214	43	2061034	9.448	ppbv	100
26) Hexane	5.224	57	907546	9.251	ppbv	98
27) Carbon Disulfide	4.140	76	1126506	10.367	ppbv	99
28) Methyl tert-Butyl Ether	4.600	73	665483	9.153	ppbv	99
29) Chloroform	5.285	83	1433373	9.523	ppbv	99
30) Cyclohexane	6.610	84	771861	9.707	ppbv	97
31) cis-1,2-Dichloroethene	5.092	61	922931	9.956	ppbv	99
32) 1,1,1-Trichloroethane	6.012	97	1440898	10.107	ppbv	98
34) 2-Butanone	4.796	43	1238210	10.088	ppbv	100
35) Carbon Tetrachloride	6.504	117	1481096	10.172	ppbv	96
36) Benzene	6.378	78	1905633	9.597	ppbv	99
37) 1,2-Dichloroethane	5.816	62	1126076	9.727	ppbv	99
38) Trichloroethene	7.295	130	750129	9.321	ppbv	99
39) 1,2-Dichloropropane	7.082	63	735429	9.301	ppbv	98
40) 1,4-Dioxane	7.295	88	215116	7.428	ppbv #	1
41) Tetrahydrofuran	5.568	42	784014	9.817	ppbv	99
42) Bromodichloromethane	7.253	83	1612568	9.698	ppbv	100
43) Methyl Methacrylate	7.481	69	772043	10.204	ppbv	99
44) 2,2,4-Trimethylpentane	7.333	57	3177090	9.303	ppbv	99
45) t-1,3-Dichloropropene	8.712	75	484390	9.488	ppbv	98

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	616567	9.382	ppbv	97
47) 1,1,2-Trichloroethane	8.902	97	792333	9.589	ppbv	98
48) Dibromochloromethane	9.712	129	1386073	10.178	ppbv	100
49) Bromoform	12.404	173	1153881	10.515	ppbv	99
50) 4-Methyl-2-Pentanone	8.182	43	1989975	9.795	ppbv	100
51) 2-Hexanone	9.552	43	1459365	10.106	ppbv	100
52) Tetrachloroethene	10.616	164	683713	9.441	ppbv	95
53) Toluene	9.224	91	2250193	9.851	ppbv	99
54) 1,2-Dibromoethane	10.011	107	1044366	9.695	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.510	131	996134	9.360	ppbv	94
57) Chlorobenzene	11.526	112	1694942	9.069	ppbv	99
58) Ethyl Benzene	12.089	91	3035730	9.413	ppbv	99
59) m/p-Xylene	12.371	91	5152862m	18.648	ppbv	
60) o-Xylene	13.056	91	2446828	9.288	ppbv	99
61) Styrene	12.892	104	1311105	10.152	ppbv	100
62) Isopropylbenzene	14.027	105	3675651	9.226	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.044	83	1751916	9.347	ppbv	99
64) n-propylbenzene	14.915	120	967409	9.421	ppbv	98
65) tert-Butylbenzene	16.085	119	3245412	9.163	ppbv	99
66) Benzyl Chloride	16.323	91	173836m	7.460	ppbv	
67) sec-Butylbenzene	16.632	105	4617503	9.228	ppbv	100
69) p-Isopropyltoluene	16.992	119	3873254	9.393	ppbv	100
70) n-Butylbenzene	17.883	91	4072153	9.519	ppbv	100
71) 2-Chlorotoluene	14.799	91	2837007	9.304	ppbv	100
72) 4-Ethyltoluene	15.191	105	2991820	9.749	ppbv	99
73) 1,3,5-Trimethylbenzene	15.346	105	2594739	9.741	ppbv	98
74) 1,2,4-Trimethylbenzene	16.104	105	2839068	9.425	ppbv	93
75) 1,3-Dichlorobenzene	16.326	146	1712320	9.683	ppbv	100
76) 1,4-Dichlorobenzene	16.471	146	1657286	9.379	ppbv	100
77) 1,2-Dichlorobenzene	17.140	146	1666375	9.413	ppbv	100
78) Hexachloro-1,3-Butadiene	22.628	225	1211353	8.350	ppbv	99
79) Naphthalene	21.378	128	2916888	11.159	ppbv	99
80) Naphthalene,2-methyl-	24.371	142	851013	9.641	ppbv	96
81) 1,2,4-Trichlorobenzene	21.133	180	1406257	9.648	ppbv #	99

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

