

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061124\
 Data File : VL041349.D
 Acq On : 11 Jun 2024 16:14
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/12/2024
 Supervised By : Mahesh Dadoda 06/12/2024

Quant Time: Jun 12 01:24:56 2024

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

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

QLast Update : Wed Jun 12 01:18:29 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.205	49	1135850	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2970036	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	3077151m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.777 95 2180368 9.177 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 91.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.755	85	1641085	9.047	ppbv	98
3) Chlorodifluoromethane	2.700	51	1736983	9.677	ppbv	99
4) Chloromethane	2.838	50	706186	10.452	ppbv	99
5) Vinyl Chloride	2.944	62	711738	10.458	ppbv	98
6) Bromomethane	3.140	94	212804	8.794	ppbv	94
7) Chloroethane	3.218	64	237727	10.145	ppbv	92
8) Dichlorotetrafluoroethane	2.883	85	1654483	9.918	ppbv	97
9) Propene	2.723	41	640195	10.013	ppbv	100
10) Heptane	7.587	43	1551829	10.240	ppbv	99
11) Trichlorofluoromethane	3.584	101	1625645	9.749	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.086	101	1197228	10.165	ppbv	97
13) Ethanol	3.266	45	142102	8.543	ppbv	100
14) Bromoethene	3.388	108	507721	10.652	ppbv	99
15) Acetone	3.488	43	1286782	9.922	ppbv	99
16) 1,3-Butadiene	3.009	39	705902	10.828	ppbv	98
17) tert-Butyl alcohol	3.896	59	1283733	10.752	ppbv	99
18) 1,1-Dichloroethene	3.899	96	540955	10.767	ppbv	96
19) Isopropyl Alcohol	3.594	45	869405	10.671	ppbv	99
20) Methylene Chloride	3.951	84	461593	9.793	ppbv	97
21) Allyl Chloride	4.015	41	853431	10.388	ppbv	98
22) trans-1,2-Dichloroethene	4.462	96	551262	10.529	ppbv	96
23) Vinyl Acetate	4.642	43	1443163	10.881	ppbv	99
24) 1,1-Dichloroethane	4.578	63	1184038	10.148	ppbv	100
25) Ethyl Acetate	5.218	43	2591142	10.100	ppbv	99
26) Hexane	5.224	57	1162838	10.079	ppbv	97
27) Carbon Disulfide	4.140	76	1412166	11.050	ppbv	99
28) Methyl tert-Butyl Ether	4.600	73	884689	10.346	ppbv	100
29) Chloroform	5.288	83	1699565	9.601	ppbv	100
30) Cyclohexane	6.610	84	951209	10.171	ppbv	98
31) cis-1,2-Dichloroethene	5.092	61	1142122	10.476	ppbv	97
32) 1,1,1-Trichloroethane	6.012	97	1656811	9.881	ppbv	100
34) 2-Butanone	4.800	43	1580474	11.108	ppbv	100
35) Carbon Tetrachloride	6.504	117	1699782	10.070	ppbv	100
36) Benzene	6.382	78	2386029	10.365	ppbv	99
37) 1,2-Dichloroethane	5.819	62	1326150	9.881	ppbv	99
38) Trichloroethene	7.301	130	898776	9.634	ppbv	99
39) 1,2-Dichloropropane	7.082	63	932927	10.177	ppbv	98
40) 1,4-Dioxane	7.295	88	329095m	9.803	ppbv	
41) Tetrahydrofuran	5.568	42	1024400	11.065	ppbv	99
42) Bromodichloromethane	7.259	83	1895617	9.834	ppbv	100
43) Methyl Methacrylate	7.481	69	957580	10.917	ppbv	100
44) 2,2,4-Trimethylpentane	7.336	57	3997533	10.097	ppbv	99
45) t-1,3-Dichloropropene	8.716	75	589674	9.963	ppbv	99

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Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.150	75	783724	10.287	ppbv	96
47) 1,1,2-Trichloroethane	8.906	97	973664	10.164	ppbv	96
48) Dibromochloromethane	9.713	129	1630804	10.330	ppbv	100
49) Bromoform	12.413	173	1420319	11.164	ppbv	100
50) 4-Methyl-2-Pentanone	8.189	43	2486936	10.559	ppbv	100
51) 2-Hexanone	9.552	43	1802430	10.767	ppbv #	98
52) Tetrachloroethene	10.616	164	898917	10.708	ppbv	96
53) Toluene	9.227	91	2796549	10.561	ppbv	99
54) 1,2-Dibromoethane	10.015	107	1291874	10.345	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.513	131	1208777	9.288	ppbv	99
57) Chlorobenzene	11.529	112	2099663	9.186	ppbv	99
58) Ethyl Benzene	12.092	91	3730456	9.458	ppbv	99
59) m/p-Xylene	12.375	91	6228312m	18.430	ppbv	
60) o-Xylene	13.063	91	2968557	9.214	ppbv	99
61) Styrene	12.902	104	1604204	10.156	ppbv	99
62) Isopropylbenzene	14.031	105	4464155	9.162	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.050	83	2120005	9.249	ppbv	100
64) n-propylbenzene	14.918	120	1198270	9.542	ppbv	97
65) tert-Butylbenzene	16.089	119	3973157	9.173	ppbv	98
66) Benzyl Chloride	16.326	91	176292	6.186	ppbv	98
67) sec-Butylbenzene	16.635	105	5592408	9.139	ppbv	100
69) p-Isopropyltoluene	16.995	119	4699778	9.319	ppbv	99
70) n-Butylbenzene	17.886	91	4872522	9.313	ppbv	99
71) 2-Chlorotoluene	14.799	91	3401719	9.122	ppbv	98
72) 4-Ethyltoluene	15.195	105	3587007	9.557	ppbv	99
73) 1,3,5-Trimethylbenzene	15.352	105	3141348	9.643	ppbv	99
74) 1,2,4-Trimethylbenzene	16.111	105	3423362	9.292	ppbv	98
75) 1,3-Dichlorobenzene	16.330	146	2113472	9.772	ppbv	99
76) 1,4-Dichlorobenzene	16.474	146	2066682	9.563	ppbv	99
77) 1,2-Dichlorobenzene	17.143	146	2066585	9.546	ppbv	98
78) Hexachloro-1,3-Butadiene	22.632	225	1555337	8.766	ppbv	100
79) Naphthalene	21.384	128	3589516	11.229	ppbv	99
80) Naphthalene,2-methyl-	24.374	142	1035561	9.593	ppbv	100
81) 1,2,4-Trichlorobenzene	21.143	180	1822938	10.226	ppbv #	99

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

