

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062624\
 Data File : VL041366.D
 Acq On : 26 Jun 2024 19:54
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/27/2024
 Supervised By :Mahesh Dadoda 06/27/2024

Quant Time: Jun 27 09:19:49 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 : Thu Jun 27 09:18:04 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.233	49	1076445	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	6.690	114	2843978	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.497	117	2658280	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.799 95 2058941 10.334 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.300%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.783	85	1858136m	10.116	ppbv	
3) Chlorodifluoromethane	2.729	51	1576163	8.492	ppbv	99
4) Chloromethane	2.867	50	603611	8.510	ppbv	98
5) Vinyl Chloride	2.970	62	626565	8.174	ppbv	98
6) Bromomethane	3.166	94	150414m	6.203	ppbv	
7) Chloroethane	3.246	64	208089	8.217	ppbv	95
8) Dichlorotetrafluoroethane	2.909	85	1581742	8.859	ppbv	100
9) Propene	2.748	41	538194	8.380	ppbv	99
10) Heptane	7.613	43	1341171	8.890	ppbv	99
11) Trichlorofluoromethane	3.610	101	1586539	8.873	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.108	101	1093397	8.726	ppbv	99
13) Ethanol	3.291	45	132471	9.297	ppbv	88
14) Bromoethene	3.414	108	450744	8.967	ppbv	96
15) Acetone	3.517	43	1170160	8.231	ppbv	99
16) 1,3-Butadiene	3.037	39	630294	9.315	ppbv	100
17) tert-Butyl alcohol	3.928	59	1114677	10.163	ppbv	100
18) 1,1-Dichloroethene	3.925	96	492011	8.931	ppbv	96
19) Isopropyl Alcohol	3.626	45	845539	10.834	ppbv #	98
20) Methylene Chloride	3.976	84	417900	8.101	ppbv	98
21) Allyl Chloride	4.041	41	697416	8.133	ppbv	97
22) trans-1,2-Dichloroethene	4.488	96	477789	8.732	ppbv	99
23) Vinyl Acetate	4.671	43	1349357	9.628	ppbv	99
24) 1,1-Dichloroethane	4.606	63	1033462	8.506	ppbv	99
25) Ethyl Acetate	5.246	43	2268204	8.664	ppbv	100
26) Hexane	5.253	57	995666	8.589	ppbv	97
27) Carbon Disulfide	4.169	76	1289050	9.140	ppbv	98
28) Methyl tert-Butyl Ether	4.629	73	766121	8.911	ppbv	98
29) Chloroform	5.314	83	1563397	8.742	ppbv	96
30) Cyclohexane	6.639	84	842834	9.127	ppbv	98
31) cis-1,2-Dichloroethene	5.118	61	996678	8.969	ppbv	97
32) 1,1,1-Trichloroethane	6.044	97	1562800	8.325	ppbv	99
34) 2-Butanone	4.828	43	1364615	9.093	ppbv	100
35) Carbon Tetrachloride	6.529	117	1633040	8.695	ppbv	95
36) Benzene	6.407	78	2092041	8.888	ppbv	99
37) 1,2-Dichloroethane	5.848	62	1222276	9.051	ppbv	100
38) Trichloroethene	7.327	130	817065	7.969	ppbv	99
39) 1,2-Dichloropropane	7.111	63	811392	8.921	ppbv	98
40) 1,4-Dioxane	7.320	88	321144	11.013	ppbv #	15
41) Tetrahydrofuran	5.597	42	843305	9.072	ppbv	99
42) Bromodichloromethane	7.285	83	1759461	9.311	ppbv	99
43) Methyl Methacrylate	7.507	69	848774	9.598	ppbv	98
44) 2,2,4-Trimethylpentane	7.359	57	3514372	8.786	ppbv	99
45) t-1,3-Dichloropropene	8.741	75	389175	6.954	ppbv	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062624\
 Data File : VL041366.D
 Acq On : 26 Jun 2024 19:54
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/27/2024
 Supervised By : Mahesh Dadoda 06/27/2024

Quant Time: Jun 27 09:19:49 2024

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

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

QLast Update : Thu Jun 27 09:18:04 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.175	75	559700	7.438	ppbv	98
47) 1,1,2-Trichloroethane	8.928	97	859896	8.814	ppbv	97
48) Dibromochloromethane	9.741	129	1482053	9.460	ppbv	98
49) Bromoform	12.433	173	1257751	10.081	ppbv	98
50) 4-Methyl-2-Pentanone	8.214	43	2214504	9.189	ppbv	99
51) 2-Hexanone	9.581	43	1574290	9.190	ppbv #	99
52) Tetrachloroethene	10.645	164	760551	8.047	ppbv	100
53) Toluene	9.249	91	2426413	9.140	ppbv	98
54) 1,2-Dibromoethane	10.037	107	1054217	8.732	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.539	131	1080236	9.031	ppbv	99
57) Chlorobenzene	11.555	112	1873043	8.982	ppbv	98
58) Ethyl Benzene	12.114	91	3322438	9.342	ppbv	98
59) m/p-Xylene	12.397	91	5651799m	18.362	ppbv	
60) o-Xylene	13.085	91	2703895	9.308	ppbv	98
61) Styrene	12.921	104	1407722	9.979	ppbv	98
62) Isopropylbenzene	14.053	105	4062942	9.060	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.072	83	1937762	8.467	ppbv	100
64) n-propylbenzene	14.937	120	1085806	9.275	ppbv	98
65) tert-Butylbenzene	16.111	119	3630683	9.092	ppbv	100
66) Benzyl Chloride	16.349	91	161095m	6.140	ppbv	
67) sec-Butylbenzene	16.654	105	5201163	9.209	ppbv	100
69) p-Isopropyltoluene	17.014	119	4362886	9.354	ppbv	99
70) n-Butylbenzene	17.905	91	4538115	9.518	ppbv	100
71) 2-Chlorotoluene	14.822	91	3155495	9.472	ppbv	99
72) 4-Ethyltoluene	15.217	105	3299056	9.535	ppbv	99
73) 1,3,5-Trimethylbenzene	15.375	105	2884440	9.740	ppbv	97
74) 1,2,4-Trimethylbenzene	16.127	105	3182519	9.537	ppbv	93
75) 1,3-Dichlorobenzene	16.355	146	1916958	9.683	ppbv	100
76) 1,4-Dichlorobenzene	16.497	146	1871016	9.486	ppbv	99
77) 1,2-Dichlorobenzene	17.165	146	1880703	9.318	ppbv	100
78) Hexachloro-1,3-Butadiene	22.654	225	1059225	7.216	ppbv	99
79) Naphthalene	21.413	128	1519137	8.464	ppbv	98
80) Naphthalene,2-methyl-	24.432	142	950m	2.011	ppbv	
81) 1,2,4-Trichlorobenzene	21.169	180	907626	8.182	ppbv	98

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

