

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112124\
 Data File : VL041711.D
 Acq On : 21 Nov 2024 8:50
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/22/2024
 Supervised By : Mahesh Dadoda 11/22/2024

Quant Time: Nov 22 01:01:27 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M

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

QLast Update : Fri Nov 22 01:00:55 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.221	49	1173714	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.684	114	3217567	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.497	117	2996508m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.806 95 2257188 10.223 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.758	85	1422464	6.705	ppbv	99
3) Chlorodifluoromethane	2.703	51	1408647	9.211	ppbv	99
4) Chloromethane	2.841	50	772568	9.537	ppbv	100
5) Vinyl Chloride	2.948	62	738827	10.139	ppbv	99
6) Bromomethane	3.147	94	378603	9.794	ppbv	97
7) Chloroethane	3.227	64	268516	10.097	ppbv	99
8) Dichlorotetrafluoroethane	2.883	85	1753531	9.260	ppbv	98
9) Propene	2.722	41	628191	9.427	ppbv	98
10) Heptane	7.610	43	1564942	10.481	ppbv	99
11) Trichlorofluoromethane	3.591	101	1745375	9.446	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.095	101	1298147	9.665	ppbv	99
13) Ethanol	3.275	45	35822m	8.780	ppbv	
14) Bromoethene	3.394	108	526015	9.742	ppbv	97
15) Acetone	3.497	43	1333944	9.235	ppbv	98
16) 1,3-Butadiene	3.012	39	739980	10.153	ppbv	100
17) tert-Butyl alcohol	3.906	59	1267990	10.003	ppbv	99
18) 1,1-Dichloroethene	3.909	96	571205	9.697	ppbv	94
19) Isopropyl Alcohol	3.603	45	682305	9.882	ppbv	99
20) Methylene Chloride	3.960	84	481797	9.064	ppbv	95
21) Allyl Chloride	4.025	41	904964	10.138	ppbv	99
22) trans-1,2-Dichloroethene	4.475	96	587155	10.025	ppbv	97
23) Vinyl Acetate	4.655	43	629204	9.881	ppbv	99
24) 1,1-Dichloroethane	4.594	63	1253068	9.585	ppbv	99
25) Ethyl Acetate	5.234	43	2952376	9.874	ppbv	100
26) Hexane	5.243	57	1169502	10.181	ppbv	98
27) Carbon Disulfide	4.153	76	1403031	10.871	ppbv	99
28) Methyl tert-Butyl Ether	4.616	73	715210	9.668	ppbv	100
29) Chloroform	5.308	83	1799780	9.492	ppbv	100
30) Cyclohexane	6.632	84	990103	10.122	ppbv	99
31) cis-1,2-Dichloroethene	5.108	61	1127435	10.202	ppbv	99
32) 1,1,1-Trichloroethane	6.034	97	1761688	10.184	ppbv	99
34) 2-Butanone	4.816	43	1449252	9.046	ppbv	99
35) Carbon Tetrachloride	6.526	117	1827244	10.764	ppbv	97
36) Benzene	6.401	78	2463354	10.333	ppbv	99
37) 1,2-Dichloroethane	5.838	62	1361156	10.120	ppbv	99
38) Trichloroethene	7.327	130	1001170	10.934	ppbv	99
39) 1,2-Dichloropropane	7.108	63	946394	10.045	ppbv	98
40) 1,4-Dioxane	7.317	88	369652	10.936	ppbv #	1
41) Tetrahydrofuran	5.587	42	1011478	11.055	ppbv	100
42) Bromodichloromethane	7.282	83	1950791	10.438	ppbv	100
43) Methyl Methacrylate	7.507	69	960580	11.476	ppbv	99
44) 2,2,4-Trimethylpentane	7.356	57	4139526	10.251	ppbv	100
45) t-1,3-Dichloropropene	8.741	75	943007	12.329	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112124\
 Data File : VL041711.D
 Acq On : 21 Nov 2024 8:50
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/22/2024
 Supervised By : Mahesh Dadoda 11/22/2024

Quant Time: Nov 22 01:01:27 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M

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

QLast Update : Fri Nov 22 01:00:55 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.172	75	1279587	11.647	ppbv	98
47) 1,1,2-Trichloroethane	8.931	97	1009245	9.898	ppbv	98
48) Dibromochloromethane	9.741	129	1661895	10.722	ppbv	100
49) Bromoform	12.439	173	1469304	11.079	ppbv	100
50) 4-Methyl-2-Pentanone	8.211	43	2653020	10.787	ppbv	100
51) 2-Hexanone	9.581	43	2052626	11.460	ppbv	99
52) Tetrachloroethene	10.648	164	903960	11.127	ppbv	99
53) Toluene	9.253	91	2837342	11.317	ppbv	100
54) 1,2-Dibromoethane	10.040	107	1367674	11.480	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.539	131	1253171	10.140	ppbv	98
57) Chlorobenzene	11.558	112	2202336	9.937	ppbv	98
58) Ethyl Benzene	12.121	91	3808048	11.592	ppbv	99
59) m/p-Xylene	12.404	91	6459706m	21.958	ppbv	
60) o-Xylene	13.089	91	3108102	11.080	ppbv	99
61) Styrene	12.928	104	1498189	12.940	ppbv	100
62) Isopropylbenzene	14.060	105	4585032	10.583	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.079	83	2155854	10.448	ppbv	100
64) n-propylbenzene	14.944	120	1243110	10.961	ppbv	99
65) tert-Butylbenzene	16.117	119	4092301	10.510	ppbv	100
66) Benzyl Chloride	16.359	91	360391	12.031	ppbv	99
67) sec-Butylbenzene	16.667	105	5768247	10.510	ppbv	100
69) p-Isopropyltoluene	17.027	119	4812497	10.847	ppbv	100
70) n-Butylbenzene	17.918	91	4962014	10.930	ppbv	100
71) 2-Chlorotoluene	14.831	91	3484566	11.127	ppbv	99
72) 4-Ethyltoluene	15.224	105	3736233	11.456	ppbv	99
73) 1,3,5-Trimethylbenzene	15.381	105	3182515	11.120	ppbv	99
74) 1,2,4-Trimethylbenzene	16.140	105	3517746	10.582	ppbv	95
75) 1,3-Dichlorobenzene	16.362	146	2166163	10.522	ppbv	100
76) 1,4-Dichlorobenzene	16.506	146	2095111	10.547	ppbv	100
77) 1,2-Dichlorobenzene	17.175	146	2109445	10.343	ppbv	100
78) Hexachloro-1,3-Butadiene	22.664	225	1455287m	9.022	ppbv	
79) Naphthalene	21.419	128	2952462	14.389	ppbv	99
80) Naphthalene,2-methyl-	24.400	142	630748	14.101	ppbv	99
81) 1,2,4-Trichlorobenzene	21.175	180	1501117	11.633	ppbv	99

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

