

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042924\
 Data File : VL041179.D
 Acq On : 29 Apr 2024 11:27
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2024
 Supervised By :Mahesh Dadoda 04/30/2024

Quant Time: Apr 30 05:06:13 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M

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

QLast Update : Tue Apr 30 05:04:57 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	1112150	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2788075	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2693672	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.777 95 2031833 9.987 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.726	85	1422549	9.254	ppbv	100
3) Chlorodifluoromethane	2.671	51	1571594	9.270	ppbv	100
4) Chloromethane	2.809	50	619576	9.183	ppbv	100
5) Vinyl Chloride	2.919	62	636172	9.722	ppbv	100
6) Bromomethane	3.118	94	230428	9.505	ppbv	100
7) Chloroethane	3.195	64	221087	9.313	ppbv	100
8) Dichlorotetrafluoroethane	2.854	85	1473359	9.484	ppbv	100
9) Propene	2.690	41	612278	9.256	ppbv	100
10) Heptane	7.581	43	1494893	9.439	ppbv	100
11) Trichlorofluoromethane	3.558	101	1462629	9.581	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.063	101	1080552	9.474	ppbv	100
13) Ethanol	3.237	45	150371	10.525	ppbv	100
14) Bromoethene	3.362	108	446546	9.399	ppbv	100
15) Acetone	3.462	43	1130547	8.517	ppbv	100
16) 1,3-Butadiene	2.983	39	648785	9.833	ppbv	100
17) tert-Butyl alcohol	3.874	59	1465073	10.212	ppbv	100
18) 1,1-Dichloroethene	3.877	96	488404	9.335	ppbv	100
19) Isopropyl Alcohol	3.571	45	900488	10.436	ppbv	100
20) Methylene Chloride	3.928	84	414071	8.985	ppbv	100
21) Allyl Chloride	3.993	41	810802	9.377	ppbv	100
22) trans-1,2-Dichloroethene	4.439	96	507866	9.833	ppbv	100
23) Vinyl Acetate	4.623	43	1408214	9.618	ppbv	100
24) 1,1-Dichloroethane	4.558	63	1047058	9.279	ppbv	100
25) Ethyl Acetate	5.202	43	2459546	9.447	ppbv	100
26) Hexane	5.208	57	1072778	9.310	ppbv	100
27) Carbon Disulfide	4.121	76	1349586	9.875	ppbv	100
28) Methyl tert-Butyl Ether	4.581	73	898633	9.581	ppbv	100
29) Chloroform	5.272	83	1524457	9.479	ppbv	100
30) Cyclohexane	6.597	84	894175	9.456	ppbv	100
31) cis-1,2-Dichloroethene	5.073	61	1055873	9.570	ppbv	100
32) 1,1,1-Trichloroethane	6.002	97	1547693	9.590	ppbv	100
34) 2-Butanone	4.780	43	1239148	9.084	ppbv	100
35) Carbon Tetrachloride	6.491	117	1542679	9.750	ppbv	100
36) Benzene	6.369	78	2221090	9.469	ppbv	100
37) 1,2-Dichloroethane	5.806	62	1187277	9.675	ppbv	100
38) Trichloroethene	7.291	130	789647	8.917	ppbv	100
39) 1,2-Dichloropropane	7.073	63	867244	9.571	ppbv	100
40) 1,4-Dioxane	7.285	88	323620	10.001	ppbv	100
41) Tetrahydrofuran	5.555	42	985365	9.770	ppbv	100
42) Bromodichloromethane	7.246	83	1734607	9.681	ppbv	100
43) Methyl Methacrylate	7.472	69	931637	9.680	ppbv	100
44) 2,2,4-Trimethylpentane	7.324	57	3777756	9.304	ppbv	100
45) t-1,3-Dichloropropene	8.706	75	740808	10.513	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042924\
 Data File : VL041179.D
 Acq On : 29 Apr 2024 11:27
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2024
 Supervised By :Mahesh Dadoda 04/30/2024

Quant Time: Apr 30 05:06:13 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M

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

QLast Update : Tue Apr 30 05:04:57 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	838573	9.830	ppbv	100
47) 1,1,2-Trichloroethane	8.899	97	863193	9.566	ppbv	100
48) Dibromochloromethane	9.713	129	1446815	9.914	ppbv	100
49) Bromoform	12.407	173	1257751	10.037	ppbv	100
50) 4-Methyl-2-Pentanone	8.179	43	2394160	9.297	ppbv	100
51) 2-Hexanone	9.549	43	1756610	9.369	ppbv #	100
52) Tetrachloroethene	10.619	164	772346	9.346	ppbv	100
53) Toluene	9.221	91	2572231	9.406	ppbv	100
54) 1,2-Dibromoethane	10.008	107	1195937	9.753	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.510	131	1059887	9.503	ppbv	100
57) Chlorobenzene	11.526	112	1825680	9.267	ppbv	100
58) Ethyl Benzene	12.092	91	3375786	9.099	ppbv	100
59) m/p-Xylene	12.375	91	5625183m	18.063	ppbv	
60) o-Xylene	13.060	91	2641521	9.035	ppbv	100
61) Styrene	12.899	104	1471572	9.640	ppbv	100
62) Isopropylbenzene	14.031	105	3929016	8.945	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.047	83	1849955	9.316	ppbv	100
64) n-propylbenzene	14.918	120	1017449	9.244	ppbv	100
65) tert-Butylbenzene	16.092	119	3413104	8.793	ppbv	100
66) Benzyl Chloride	16.323	91	478167	10.350	ppbv	100
67) sec-Butylbenzene	16.638	105	4854708	8.844	ppbv	100
69) p-Isopropyltoluene	16.998	119	4006087	8.803	ppbv	100
70) n-Butylbenzene	17.886	91	4218828	8.923	ppbv	100
71) 2-Chlorotoluene	14.802	91	3038563	9.055	ppbv	100
72) 4-Ethyltoluene	15.191	105	3120787	9.358	ppbv	100
73) 1,3,5-Trimethylbenzene	15.352	105	2759654	9.128	ppbv	100
74) 1,2,4-Trimethylbenzene	16.108	105	2955984	8.982	ppbv	100
75) 1,3-Dichlorobenzene	16.333	146	1742370	9.407	ppbv	100
76) 1,4-Dichlorobenzene	16.471	146	1733035	9.605	ppbv	100
77) 1,2-Dichlorobenzene	17.143	146	1678538	8.969	ppbv	100
78) Hexachloro-1,3-Butadiene	22.632	225	1335636	8.029	ppbv	100
79) Naphthalene	21.384	128	2954097	9.468	ppbv	100
80) Naphthalene,2-methyl-	24.374	142	1017752	7.750	ppbv	100
81) 1,2,4-Trichlorobenzene	21.137	180	1495849	8.971	ppbv	100

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

