

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042924\
 Data File : VL041186.D
 Acq On : 29 Apr 2024 16:07
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL042924

Manual Integrations APPROVED

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

Quant Time: Apr 30 05:51:25 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 05:46:58 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	893295	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2276414	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2243763	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.777 95 1657417 9.784 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.723	85	1368658	11.327	ppbv	99
3) Chlorodifluoromethane	2.668	51	1410019	10.393	ppbv	100
4) Chloromethane	2.806	50	571176	10.729	ppbv	94
5) Vinyl Chloride	2.912	62	568679	10.633	ppbv	98
6) Bromomethane	3.115	94	188896	9.681	ppbv	98
7) Chloroethane	3.192	64	197315	10.450	ppbv	97
8) Dichlorotetrafluoroethane	2.851	85	1285750	10.280	ppbv	97
9) Propene	2.687	41	559271	10.533	ppbv	98
10) Heptane	7.578	43	1333261	10.364	ppbv	99
11) Trichlorofluoromethane	3.555	101	1286132	10.473	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.060	101	951186	10.474	ppbv	99
13) Ethanol	3.231	45	124454m	10.456	ppbv	
14) Bromoethene	3.359	108	390641	10.423	ppbv	96
15) Acetone	3.462	43	1034358	9.811	ppbv	98
16) 1,3-Butadiene	2.980	39	586237	11.016	ppbv	97
17) tert-Butyl alcohol	3.870	59	1260539	11.084	ppbv	99
18) 1,1-Dichloroethene	3.874	96	434348	10.727	ppbv	97
19) Isopropyl Alcohol	3.568	45	801331	11.583	ppbv #	43
20) Methylene Chloride	3.928	84	362601	9.891	ppbv	93
21) Allyl Chloride	3.989	41	726158	10.564	ppbv	98
22) trans-1,2-Dichloroethene	4.440	96	442043	10.498	ppbv	97
23) Vinyl Acetate	4.620	43	1261865	10.870	ppbv	99
24) 1,1-Dichloroethane	4.558	63	957175	10.603	ppbv	99
25) Ethyl Acetate	5.202	43	2225745	10.577	ppbv	100
26) Hexane	5.208	57	984682	10.486	ppbv	98
27) Carbon Disulfide	4.121	76	1174842	10.569	ppbv	98
28) Methyl tert-Butyl Ether	4.581	73	777294	10.396	ppbv	99
29) Chloroform	5.272	83	1386020	10.699	ppbv	100
30) Cyclohexane	6.600	84	791750	10.651	ppbv	100
31) cis-1,2-Dichloroethene	5.073	61	960086	10.921	ppbv	99
32) 1,1,1-Trichloroethane	6.002	97	1376318	10.648	ppbv	99
34) 2-Butanone	4.784	43	1316831	11.365	ppbv	100
35) Carbon Tetrachloride	6.491	117	1391481	10.892	ppbv	98
36) Benzene	6.369	78	2001293	10.476	ppbv	99
37) 1,2-Dichloroethane	5.806	62	1086990	10.906	ppbv	100
38) Trichloroethene	7.292	130	704357	9.894	ppbv	98
39) 1,2-Dichloropropane	7.073	63	789305	10.721	ppbv	97
40) 1,4-Dioxane	7.282	88	301403	11.459	ppbv	92
41) Tetrahydrofuran	5.552	42	880889	10.502	ppbv	99
42) Bromodichloromethane	7.246	83	1572664	11.002	ppbv	98
43) Methyl Methacrylate	7.475	69	816783	10.571	ppbv	98
44) 2,2,4-Trimethylpentane	7.327	57	3384698	10.276	ppbv	99
45) t-1,3-Dichloropropene	8.709	75	601911	10.750	ppbv	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042924\
 Data File : VL041186.D
 Acq On : 29 Apr 2024 16:07
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL042924

Manual Integrations
 APPROVED

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

Quant Time: Apr 30 05:51:25 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 05:46:58 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	714722	10.427	ppbv	95
47) 1,1,2-Trichloroethane	8.896	97	787119	10.682	ppbv	99
48) Dibromochloromethane	9.709	129	1293536	11.017	ppbv	100
49) Bromoform	12.410	173	1125747	11.271	ppbv	99
50) 4-Methyl-2-Pentanone	8.179	43	2086731	10.036	ppbv	99
51) 2-Hexanone	9.549	43	1537564	9.969	ppbv #	100
52) Tetrachloroethene	10.616	164	693859	10.334	ppbv	99
53) Toluene	9.221	91	2294296	10.358	ppbv	99
54) 1,2-Dibromoethane	10.008	107	1066096	10.681	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.507	131	940466	10.337	ppbv	94
57) Chlorobenzene	11.529	112	1639510	9.977	ppbv	98
58) Ethyl Benzene	12.089	91	3047178	9.904	ppbv	99
59) m/p-Xylene	12.372	91	5088665m	19.679	ppbv	
60) o-Xylene	13.060	91	2389774	9.859	ppbv	99
61) Styrene	12.899	104	1305847	10.199	ppbv	100
62) Isopropylbenzene	14.031	105	3576053	9.864	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.050	83	1686414	10.207	ppbv	99
64) n-propylbenzene	14.915	120	918962	10.160	ppbv	100
65) tert-Butylbenzene	16.092	119	3109298	9.575	ppbv	99
66) Benzyl Chloride	16.326	91	301037m	8.190	ppbv	
67) sec-Butylbenzene	16.638	105	4420713	9.671	ppbv	100
69) p-Isopropyltoluene	16.999	119	3648250	9.685	ppbv	100
70) n-Butylbenzene	17.886	91	3844940	9.773	ppbv	100
71) 2-Chlorotoluene	14.799	91	2743141	9.937	ppbv	100
72) 4-Ethyltoluene	15.192	105	2814150	10.250	ppbv	99
73) 1,3,5-Trimethylbenzene	15.352	105	2472069	9.952	ppbv	99
74) 1,2,4-Trimethylbenzene	16.108	105	2679180	9.875	ppbv	98
75) 1,3-Dichlorobenzene	16.333	146	1577586	10.141	ppbv	100
76) 1,4-Dichlorobenzene	16.471	146	1556729	10.406	ppbv	99
77) 1,2-Dichlorobenzene	17.143	146	1527384	9.822	ppbv	99
78) Hexachloro-1,3-Butadiene	22.632	225	1230545	8.904	ppbv	99
79) Naphthalene	21.381	128	2659048	10.292	ppbv	99
80) Naphthalene,2-methyl-	24.374	142	878304	8.451	ppbv	97
81) 1,2,4-Trichlorobenzene	21.140	180	1343306	9.847	ppbv	100

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

